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Hierarchy For Package org.apache.commons.collections4.bidimap

Package Hierarchies:

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Class Hierarchy

* java.lang.[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.collection.[AbstractCollectionDecorator](http://docs.google.com/org/apache/commons/collections4/collection/AbstractCollectionDecorator.html)<E> (implements java.util.[Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<E>, java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.View](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.View.html)<K,V,E>
      * org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.EntrySet](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.EntrySet.html)<K,V> (implements java.util.[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<E>)
      * org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.KeySet](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.KeySet.html)<K> (implements java.util.[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<E>)
      * org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.Values](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.Values.html)<V> (implements java.util.[Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<E>)
  + org.apache.commons.collections4.bidimap.[AbstractDualBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.html)<K,V> (implements org.apache.commons.collections4.[BidiMap](http://docs.google.com/org/apache/commons/collections4/BidiMap.html)<K,V>)
    - org.apache.commons.collections4.bidimap.[DualHashBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualHashBidiMap.html)<K,V> (implements java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - org.apache.commons.collections4.bidimap.[DualLinkedHashBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualLinkedHashBidiMap.html)<K,V> (implements java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - org.apache.commons.collections4.bidimap.[DualTreeBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html)<K,V> (implements java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), org.apache.commons.collections4.[SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,V>)
  + org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.BidiMapIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.BidiMapIterator.html)<K,V> (implements org.apache.commons.collections4.[MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<K,V>, org.apache.commons.collections4.[ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E>)
  + org.apache.commons.collections4.map.[AbstractIterableMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.html)<K,V> (implements org.apache.commons.collections4.[IterableMap](http://docs.google.com/org/apache/commons/collections4/IterableMap.html)<K,V>)
    - org.apache.commons.collections4.map.[AbstractMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html)<K,V>
      * org.apache.commons.collections4.bidimap.[AbstractBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractBidiMapDecorator.html)<K,V> (implements org.apache.commons.collections4.[BidiMap](http://docs.google.com/org/apache/commons/collections4/BidiMap.html)<K,V>)
        + org.apache.commons.collections4.bidimap.[AbstractOrderedBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractOrderedBidiMapDecorator.html)<K,V> (implements org.apache.commons.collections4.[OrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/OrderedBidiMap.html)<K,V>)

org.apache.commons.collections4.bidimap.[AbstractSortedBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html)<K,V> (implements org.apache.commons.collections4.[SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,V>)

org.apache.commons.collections4.bidimap.[UnmodifiableSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html)<K,V> (implements org.apache.commons.collections4.[Unmodifiable](http://docs.google.com/org/apache/commons/collections4/Unmodifiable.html))

org.apache.commons.collections4.bidimap.[UnmodifiableOrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableOrderedBidiMap.html)<K,V> (implements org.apache.commons.collections4.[Unmodifiable](http://docs.google.com/org/apache/commons/collections4/Unmodifiable.html))

* + - * + org.apache.commons.collections4.bidimap.[UnmodifiableBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableBidiMap.html)<K,V> (implements org.apache.commons.collections4.[Unmodifiable](http://docs.google.com/org/apache/commons/collections4/Unmodifiable.html))
      * org.apache.commons.collections4.map.[AbstractSortedMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractSortedMapDecorator.html)<K,V> (implements org.apache.commons.collections4.[IterableSortedMap](http://docs.google.com/org/apache/commons/collections4/IterableSortedMap.html)<K,V>)
        + org.apache.commons.collections4.bidimap.[DualTreeBidiMap.ViewMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.ViewMap.html)<K,V>
  + org.apache.commons.collections4.keyvalue.[AbstractMapEntryDecorator](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)<K,V> (implements org.apache.commons.collections4.[KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<K,V>, java.util.[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>)
    - org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.MapEntry](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.MapEntry.html)<K,V>
  + org.apache.commons.collections4.iterators.[AbstractUntypedIteratorDecorator](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractUntypedIteratorDecorator.html)<I,O> (implements java.util.[Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<E>)
    - org.apache.commons.collections4.iterators.[AbstractIteratorDecorator](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractIteratorDecorator.html)<E>
      * org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.EntrySetIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.EntrySetIterator.html)<K,V>
      * org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.KeySetIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.KeySetIterator.html)<K>
      * org.apache.commons.collections4.bidimap.[AbstractDualBidiMap.ValuesIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.ValuesIterator.html)<V>
  + org.apache.commons.collections4.bidimap.[DualTreeBidiMap.BidiOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.BidiOrderedMapIterator.html)<K,V> (implements org.apache.commons.collections4.[OrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)<K,V>, org.apache.commons.collections4.[ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E>)
  + org.apache.commons.collections4.bidimap.[TreeBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/TreeBidiMap.html)<K,V> (implements org.apache.commons.collections4.[OrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/OrderedBidiMap.html)<K,V>, java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))

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