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org.apache.commons.collections4.map

## Class LazySortedMap<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + [org.apache.commons.collections4.map.AbstractIterableMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.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.map.LazyMap](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html)<K,V>
        + org.apache.commons.collections4.map.LazySortedMap<K,V>
* Type Parameters: K - the type of the keys in this map V - the type of the values in this map All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,V>, [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V>, [Get](http://docs.google.com/org/apache/commons/collections4/Get.html)<K,V>, [IterableGet](http://docs.google.com/org/apache/commons/collections4/IterableGet.html)<K,V>, [IterableMap](http://docs.google.com/org/apache/commons/collections4/IterableMap.html)<K,V>, [Put](http://docs.google.com/org/apache/commons/collections4/Put.html)<K,V>  
    
  public class LazySortedMap<K,V>  
  extends [LazyMap](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html)<K,V>  
  implements [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V>  
  Decorates another SortedMap to create objects in the map on demand.  
  When the [LazyMap.get(Object)](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html#get-java.lang.Object-) method is called with a key that does not exist in the map, the factory is used to create the object. The created object will be added to the map using the requested key.  
  For instance:  
   Factory<Date> factory = new Factory<Date>() {  
   public Date create() {  
   return new Date();  
   }  
   }  
   SortedMap<String, Date> lazy =  
   LazySortedMap.lazySortedMap(new HashMap<String, Date>(), factory);  
   Date date = lazy.get("NOW");  
     
  After the above code is executed, date will refer to a new Date instance. Furthermore, that Date instance is mapped to the "NOW" key in the map.  
  **Note that LazySortedMap is not synchronized and is not thread-safe.** If you wish to use this map from multiple threads concurrently, you must use appropriate synchronization. The simplest approach is to wrap this map using [Collections.synchronizedSortedMap(java.util.SortedMap<K, V>)](https://docs.oracle.com/javase/7/docs/api/java/util/Collections.html?is-external=true#synchronizedSortedMap-java.util.SortedMap-). This class may throw exceptions when accessed by concurrent threads without synchronization.  
  This class is Serializable from Commons Collections 3.1.Since: 3.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.map.LazySortedMap)

### Nested Class Summary

### Nested classes/interfaces inherited from interface java.util.[**Map**](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true),[V](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)>

### Field Summary

### Fields inherited from class org.apache.commons.collections4.map.[**LazyMap**](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html)[factory](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html#factory)

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [LazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#LazySortedMap-java.util.SortedMap-org.apache.commons.collections4.Factory-)([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> map, [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html)<? extends [V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> factory) Constructor that wraps (not copies). |
| * + protected | * + [LazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#LazySortedMap-java.util.SortedMap-org.apache.commons.collections4.Transformer-)([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> map, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),? extends [V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> factory) Constructor that wraps (not copies). |

### Method SummaryAll Methods Static Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Comparator](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> | * + [comparator](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#comparator--)() |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) | * + [firstKey](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#firstKey--)() |
| * + protected [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> | * + [getSortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#getSortedMap--)() Gets the map being decorated. |
| * + [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> | * + [headMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#headMap-K-)([K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) toKey) |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) | * + [lastKey](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#lastKey--)() |
| * + static <K,V> [LazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)<K,V> | * + [lazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#lazySortedMap-java.util.SortedMap-org.apache.commons.collections4.Factory-)([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V> map, [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html)<? extends V> factory) Factory method to create a lazily instantiated sorted map. |
| * + static <K,V> [LazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)<K,V> | * + [lazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#lazySortedMap-java.util.SortedMap-org.apache.commons.collections4.Transformer-)([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V> map, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super K,? extends V> factory) Factory method to create a lazily instantiated sorted map. |
| * + [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> | * + [subMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#subMap-K-K-)([K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) fromKey, [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) toKey) |
| * + [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> | * + [tailMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html#tailMap-K-)([K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) fromKey) |

### Methods inherited from class org.apache.commons.collections4.map.[**LazyMap**](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html)[get](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html#get-java.lang.Object-), [lazyMap](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html#lazyMap-java.util.Map-org.apache.commons.collections4.Factory-), [lazyMap](http://docs.google.com/org/apache/commons/collections4/map/LazyMap.html#lazyMap-java.util.Map-org.apache.commons.collections4.Transformer-)

### Methods inherited from class org.apache.commons.collections4.map.[**AbstractMapDecorator**](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html)[clear](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#clear--), [containsKey](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#containsKey-java.lang.Object-), [containsValue](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#containsValue-java.lang.Object-), [decorated](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#decorated--), [entrySet](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#entrySet--), [equals](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#equals-java.lang.Object-), [hashCode](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#hashCode--), [isEmpty](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#isEmpty--), [keySet](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#keySet--), [put](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#put-K-V-), [putAll](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#putAll-java.util.Map-), [remove](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#remove-java.lang.Object-), [size](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#size--), [toString](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#toString--), [values](http://docs.google.com/org/apache/commons/collections4/map/AbstractMapDecorator.html#values--)

### Methods inherited from class org.apache.commons.collections4.map.[**AbstractIterableMap**](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.html)[mapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractIterableMap.html#mapIterator--)

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Methods inherited from interface java.util.[**SortedMap**](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)[entrySet](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#entrySet--), [keySet](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#keySet--), [values](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#values--)

### Methods inherited from interface java.util.[**Map**](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)[clear](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#clear--), [compute](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#compute-K-java.util.function.BiFunction-), [computeIfAbsent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#computeIfAbsent-K-java.util.function.Function-), [computeIfPresent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#computeIfPresent-K-java.util.function.BiFunction-), [containsKey](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#containsKey-java.lang.Object-), [containsValue](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#containsValue-java.lang.Object-), [equals](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#equals-java.lang.Object-), [forEach](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#forEach-java.util.function.BiConsumer-), [get](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#get-java.lang.Object-), [getOrDefault](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#getOrDefault-java.lang.Object-V-), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#hashCode--), [isEmpty](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#isEmpty--), [merge](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#merge-K-V-java.util.function.BiFunction-), [put](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#put-K-V-), [putAll](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#putAll-java.util.Map-), [putIfAbsent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#putIfAbsent-K-V-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#remove-java.lang.Object-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#remove-java.lang.Object-java.lang.Object-), [replace](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replace-K-V-), [replace](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replace-K-V-V-), [replaceAll](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replaceAll-java.util.function.BiFunction-), [size](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#size--)

### Constructor Detail

#### LazySortedMap protected LazySortedMap([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> map, [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html)<? extends [V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> factory) Constructor that wraps (not copies).Parameters: map - the map to decorate, must not be null factory - the factory to use, must not be null Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if map or factory is null

#### LazySortedMap protected LazySortedMap([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> map, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),? extends [V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> factory) Constructor that wraps (not copies).Parameters: map - the map to decorate, must not be null factory - the factory to use, must not be null Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if map or factory is null

### Method Detail

#### lazySortedMap public static <K,V> [LazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)<K,V> lazySortedMap([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V> map, [Factory](http://docs.google.com/org/apache/commons/collections4/Factory.html)<? extends V> factory) Factory method to create a lazily instantiated sorted map.Type Parameters: K - the key type V - the value type Parameters: map - the map to decorate, must not be null factory - the factory to use, must not be null Returns: a new lazy sorted map Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if map or factory is null Since: 4.0

#### lazySortedMap public static <K,V> [LazySortedMap](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)<K,V> lazySortedMap([SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<K,V> map, [Transformer](http://docs.google.com/org/apache/commons/collections4/Transformer.html)<? super K,? extends V> factory) Factory method to create a lazily instantiated sorted map.Type Parameters: K - the key type V - the value type Parameters: map - the map to decorate, must not be null factory - the factory to use, must not be null Returns: a new lazy sorted map Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if map or factory is null Since: 4.0

#### getSortedMap protected [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> getSortedMap() Gets the map being decorated.Returns: the decorated map

#### firstKey public [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) firstKey()Specified by: [firstKey](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#firstKey--) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)>

#### lastKey public [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) lastKey()Specified by: [lastKey](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#lastKey--) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)>

#### comparator public [Comparator](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)<? super [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> comparator()Specified by: [comparator](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#comparator--) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)>

#### subMap public [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> subMap([K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) fromKey, [K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) toKey)Specified by: [subMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#subMap-K-K-) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)>

#### headMap public [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> headMap([K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) toKey)Specified by: [headMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#headMap-K-) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)>

#### tailMap public [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)> tailMap([K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html) fromKey)Specified by: [tailMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true#tailMap-K-) in interface [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/LazySortedMap.html)>

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