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016 \*/  
017package org.apache.commons.collections4;  
018  
019import java.util.Comparator;  
020  
021/\*\*  
022 \* Defines a type of <code>Bag</code> that maintains a sorted order among  
023 \* its unique representative members.  
024 \*  
025 \* @param <E> the type of elements in this bag  
026 \* @since 2.0  
027 \*/  
028public interface SortedBag<E> extends Bag<E> {  
029  
030 /\*\*  
031 \* Returns the comparator associated with this sorted set, or null  
032 \* if it uses its elements' natural ordering.  
033 \*  
034 \* @return the comparator in use, or null if natural ordering  
035 \*/  
036 Comparator<? super E> comparator();  
037  
038 /\*\*  
039 \* Returns the first (lowest) member.  
040 \*  
041 \* @return the first element in the sorted bag  
042 \*/  
043 E first();  
044  
045 /\*\*  
046 \* Returns the last (highest) member.  
047 \*  
048 \* @return the last element in the sorted bag  
049 \*/  
050 E last();  
051  
052}