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016 \*/  
017package org.apache.commons.collections4;  
018  
019import java.util.Collection;  
020  
021/\*\*  
022 \* Defines a collection that is bounded in size.  
023 \* <p>  
024 \* The size of the collection can vary, but it can never exceed a preset  
025 \* maximum number of elements. This interface allows the querying of details  
026 \* associated with the maximum number of elements.  
027 \* </p>  
028 \*  
029 \* @see CollectionUtils#isFull  
030 \* @see CollectionUtils#maxSize  
031 \*  
032 \* @param <E> the type of elements in this collection  
033 \* @since 3.0  
034 \*/  
035public interface BoundedCollection<E> extends Collection<E> {  
036  
037 /\*\*  
038 \* Returns true if this collection is full and no new elements can be added.  
039 \*  
040 \* @return <code>true</code> if the collection is full.  
041 \*/  
042 boolean isFull();  
043  
044 /\*\*  
045 \* Gets the maximum size of the collection (the bound).  
046 \*  
047 \* @return the maximum number of elements the collection can hold.  
048 \*/  
049 int maxSize();  
050  
051}