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016 \*/  
017package org.apache.commons.collections4.functors;  
018  
019import java.io.Serializable;  
020  
021import org.apache.commons.collections4.Predicate;  
022  
023/\*\*  
024 \* Abstract base class for quantification predicates, e.g. All, Any, None.  
025 \*  
026 \* @since 4.0  
027 \*/  
028public abstract class AbstractQuantifierPredicate<T> implements PredicateDecorator<T>, Serializable {  
029  
030 /\*\* Serial version UID \*/  
031 private static final long serialVersionUID = -3094696765038308799L;  
032  
033 /\*\* The array of predicates to call \*/  
034 protected final Predicate<? super T>[] iPredicates;  
035  
036 /\*\*  
037 \* Constructor that performs no validation.  
038 \*  
039 \* @param predicates the predicates to check, not cloned, not null  
040 \*/  
041 public AbstractQuantifierPredicate(final Predicate<? super T>... predicates) {  
042 iPredicates = predicates;  
043 }  
044  
045 /\*\*  
046 \* Gets the predicates.  
047 \*  
048 \* @return a copy of the predicates  
049 \* @since 3.1  
050 \*/  
051 @Override  
052 public Predicate<? super T>[] getPredicates() {  
053 return FunctorUtils.<T>copy(iPredicates);  
054 }  
055  
056}