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org.apache.commons.collections4.functors

## Class AbstractQuantifierPredicate<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.functors.AbstractQuantifierPredicate<T>
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<T>, [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<T> Direct Known Subclasses: [AllPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AllPredicate.html), [AnyPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AnyPredicate.html), [NonePredicate](http://docs.google.com/org/apache/commons/collections4/functors/NonePredicate.html), [OnePredicate](http://docs.google.com/org/apache/commons/collections4/functors/OnePredicate.html)  
    
  public abstract class AbstractQuantifierPredicate<T>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<T>, [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Abstract base class for quantification predicates, e.g. All, Any, None.Since: 4.0 See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.collections4.functors.AbstractQuantifierPredicate)

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)>[] | * + [iPredicates](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html#iPredicates) The array of predicates to call |

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [AbstractQuantifierPredicate](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html#AbstractQuantifierPredicate-org.apache.commons.collections4.Predicate...-)([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)>... predicates) Constructor that performs no validation. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)>[] | * + [getPredicates](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html#getPredicates--)() Gets the predicates. |

### 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--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [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--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [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--), [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--), [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 org.apache.commons.collections4.[**Predicate**](http://docs.google.com/org/apache/commons/collections4/Predicate.html)[evaluate](http://docs.google.com/org/apache/commons/collections4/Predicate.html#evaluate-T-)

### Field Detail

#### iPredicates protected final [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)>[] iPredicates The array of predicates to call

### Constructor Detail

#### AbstractQuantifierPredicate public AbstractQuantifierPredicate([Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)>... predicates) Constructor that performs no validation.Parameters: predicates - the predicates to check, not cloned, not null

### Method Detail

#### getPredicates public [Predicate](http://docs.google.com/org/apache/commons/collections4/Predicate.html)<? super [T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)>[] getPredicates() Gets the predicates.Specified by: [getPredicates](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html#getPredicates--) in interface [PredicateDecorator](http://docs.google.com/org/apache/commons/collections4/functors/PredicateDecorator.html)<[T](http://docs.google.com/org/apache/commons/collections4/functors/AbstractQuantifierPredicate.html)> Returns: a copy of the predicates Since: 3.1

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