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org.apache.commons.collections4.sequence

## Class ReplacementsFinder<T>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.sequence.ReplacementsFinder<T>
* All Implemented Interfaces: [CommandVisitor](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html)<T>  
    
  public class ReplacementsFinder<T>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [CommandVisitor](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html)<T>  
  This class handles sequences of replacements resulting from a comparison.  
  The comparison of two objects sequences leads to the identification of common parts and parts which only belong to the first or to the second sequence. The common parts appear in the edit script in the form of *keep* commands, they can be considered as synchronization objects between the two sequences. These synchronization objects split the two sequences in synchronized sub-sequences. The first sequence can be transformed into the second one by replacing each synchronized sub-sequence of the first sequence by the corresponding sub-sequence of the second sequence. This is a synthetic way to see an [edit script](http://docs.google.com/org/apache/commons/collections4/sequence/EditScript.html), replacing individual [delete](http://docs.google.com/org/apache/commons/collections4/sequence/DeleteCommand.html), [keep](http://docs.google.com/org/apache/commons/collections4/sequence/KeepCommand.html) and [insert](http://docs.google.com/org/apache/commons/collections4/sequence/InsertCommand.html) commands by fewer replacements acting on complete sub-sequences.  
  This class is devoted to perform this interpretation. It visits an [edit script](http://docs.google.com/org/apache/commons/collections4/sequence/EditScript.html) (because it implements the [CommandVisitor](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html) interface) and calls a user-supplied handler implementing the [ReplacementsHandler](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsHandler.html) interface to process the sub-sequences.Since: 4.0 See Also: [ReplacementsHandler](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsHandler.html), [EditScript](http://docs.google.com/org/apache/commons/collections4/sequence/EditScript.html), [SequencesComparator](http://docs.google.com/org/apache/commons/collections4/sequence/SequencesComparator.html)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [ReplacementsFinder](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html#ReplacementsFinder-org.apache.commons.collections4.sequence.ReplacementsHandler-)([ReplacementsHandler](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsHandler.html)<[T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html)> handler) Simple constructor. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [visitDeleteCommand](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html#visitDeleteCommand-T-)([T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html) object) Add an object to the pending deletions set. |
| * + void | * + [visitInsertCommand](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html#visitInsertCommand-T-)([T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html) object) Add an object to the pending insertions set. |
| * + void | * + [visitKeepCommand](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html#visitKeepCommand-T-)([T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html) object) Handle a synchronization object. |

### 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-)

### Constructor Detail

#### ReplacementsFinder public ReplacementsFinder([ReplacementsHandler](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsHandler.html)<[T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html)> handler) Simple constructor. Creates a new instance of [ReplacementsFinder](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html).Parameters: handler - handler to call when synchronized sequences are found

### Method Detail

#### visitInsertCommand public void visitInsertCommand([T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html) object) Add an object to the pending insertions set.Specified by: [visitInsertCommand](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html#visitInsertCommand-T-) in interface [CommandVisitor](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html)<[T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html)> Parameters: object - object to insert

#### visitKeepCommand public void visitKeepCommand([T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html) object) Handle a synchronization object. When a synchronization object is identified, the pending insertions and pending deletions sets are provided to the user handler as subsequences.Specified by: [visitKeepCommand](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html#visitKeepCommand-T-) in interface [CommandVisitor](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html)<[T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html)> Parameters: object - synchronization object detected

#### visitDeleteCommand public void visitDeleteCommand([T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html) object) Add an object to the pending deletions set.Specified by: [visitDeleteCommand](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html#visitDeleteCommand-T-) in interface [CommandVisitor](http://docs.google.com/org/apache/commons/collections4/sequence/CommandVisitor.html)<[T](http://docs.google.com/org/apache/commons/collections4/sequence/ReplacementsFinder.html)> Parameters: object - object to delete

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