JavaScript is disabled on your browser.

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simplenlg.aggregation

## Class BackwardConjunctionReductionRule

* java.lang.Object
  + [simplenlg.aggregation.AggregationRule](http://docs.google.com/simplenlg/aggregation/AggregationRule.html)
    - simplenlg.aggregation.BackwardConjunctionReductionRule
* public class BackwardConjunctionReductionRule  
  extends [AggregationRule](http://docs.google.com/simplenlg/aggregation/AggregationRule.html)  
  Implementation of the backward conjunction reduction rule. Given two sentences s1 and s2, this rule elides any constituent in the right periphery of s1 which is *form-identical* to a constituent with the same function in s2, that is, the two constituents are essentially identical in their final, realised, form.  
  The current implementation is loosely based on the algorithm in Harbusch and Kempen (2009), which is described here: <http://aclweb.org/anthology-new/W/W09/W09-0624.pdf>  
  **Implementation note:** The current implementation only applies ellipsis to phrasal constituents (i.e. not to their component lexical items).\*  
  **Note:**: this rule can be used in conjunction with the [ForwardConjunctionReductionRule](http://docs.google.com/simplenlg/aggregation/ForwardConjunctionReductionRule.html) in [Aggregator](http://docs.google.com/simplenlg/aggregation/Aggregator.html).Author: Albert Gatt, University of Malta and University of Aberdeen

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [**BackwardConjunctionReductionRule**](http://docs.google.com/simplenlg/aggregation/BackwardConjunctionReductionRule.html#BackwardConjunctionReductionRule())() Creates a new BackwardConjunctionReduction. |

### Method SummaryMethods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) | * + [**apply**](http://docs.google.com/simplenlg/aggregation/BackwardConjunctionReductionRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement))([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies backward conjunction reduction to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)). |

### Methods inherited from class simplenlg.aggregation.[**AggregationRule**](http://docs.google.com/simplenlg/aggregation/AggregationRule.html)[apply](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(java.util.List)), [apply](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(simplenlg.framework.NLGElement)), [getFactory](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#getFactory()), [setFactory](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#setFactory(simplenlg.framework.NLGFactory))

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Constructor Detail

#### BackwardConjunctionReductionRule public BackwardConjunctionReductionRule() Creates a new BackwardConjunctionReduction.

### Method Detail

#### apply public [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) apply([NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) previous, [NLGElement](http://docs.google.com/simplenlg/framework/NLGElement.html) next) Applies backward conjunction reduction to two NLGElements e1 and e2, succeeding only if they are clauses (that is, e1.getCategory() == e2.getCategory == [PhraseCategory.CLAUSE](http://docs.google.com/simplenlg/framework/PhraseCategory.html#CLAUSE)).**Specified by:** [apply](http://docs.google.com/simplenlg/aggregation/AggregationRule.html#apply(simplenlg.framework.NLGElement,%20simplenlg.framework.NLGElement)) in class [AggregationRule](http://docs.google.com/simplenlg/aggregation/AggregationRule.html) Parameters:previous - the first phrasenext - the second phrase Returns:a coordinate phrase if aggregation is successful, null otherwise

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