Class UnweightedShortestPath<V,E>

java.lang.Object
   └─ **edu.uci.ics.jung.algorithms.shortestpath.UnweightedShortestPath<V,E>**

All Implemented Interfaces:

      Distance<V>, ShortestPath<V,E>

```
public class UnweightedShortestPath<V,E>
extends Object
implements ShortestPath<V,E>, Distance<V>
```

Computes the shortest path distances for graphs whose edges are not weighted (using BFS).

Constructor Summary

UnweightedShortestPath(Hypergraph<[V](V),[E](E)> g)   Constructs and initializes algorithm

Method Summary

Number	**getDistance**([V](V) source, [V](V) target) Returns the distance from the `source` vertex to the `target` vertex.
[Map](Map)<[V](V),Number>	**getDistanceMap**([V](V) source) Returns a `Map` which maps each vertex in the graph (including the `source` vertex) to its distance (represented as a Number) from `source`.
[Map](Map)<[V](V),[E](E)>	**getIncomingEdgeMap**([V](V) source) Returns a `Map` which maps each vertex in the graph (including the `source` vertex) to the last edge on the shortest path from the `source` vertex.
void	**reset**() Clears all stored distances for this instance.
void	**reset**([V](V) v) Clears all stored distances for the specified source vertex `source`.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait