Best Balanced Shortest Paths

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1 Pseudocode

Algorithm 1 Best Balanced Shortest Paths

Require: G(V,E) and source s and destination d nodes

1: $H \longleftarrow 2$
2: **while** $H \leqslant MAX_{hops}$ **do**
3:    $PATHS \longleftarrow ModifiedIncrementalDFS(G, s, d, H)$
4:    **if** size of $PATHS \geqslant 2$ **then**
5:       sort $PATHS$ by the number of hops.
6:       **for each** pair of paths p from $PATHS$ **do**
7:          **if** p is link-disjoint **then**
8:             **return** p
9:          **end if**
10:       **end for**
11:    **end if**
12:    $H \longleftarrow H + 1$
13: **end while**
14: **return** nil