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