Recursive Problems On graph algorithms 0(0+8) DFS -> depth first seauch troversal first & couch 7 breadth nodes - data structur Healin G week

Un wiighted On Given an undirected, graph, with every edge having either RED ON BLUE COlor. find the shortest distance between a given source and destination when: 1) You have to start from a Red edge and end at a blue edge. 2) No self loops or multiple edges
3) You can switch from a Red edge to blue edge only Once.

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me calculate all forth from Source to Low about Brute destination Porch Switch min (7, y12) b be the brans itionly all remaining nodes a choice role.

SSSF - single STC shootest fath -> 5fS STC — i Such that all edges aver ref dest » i Such that all edges au blue go to all the nodes -, min (Src-Red [i] + dest-blur [i]) Y° € V — ¿src, dest} 2 655 Joe L

8 wit dy via 2 Mic 0 (V+E)