

EXPLANATION

Breadth-first search (BFS) is an algorithm for traversing or searching tree or graph data structures. It starts at the tree root, and explores all of the neighbor nodes at the present depth prior to moving on to the nodes at the next depth level.

So according to definition, I used bfs as I used map in this algorithm and map has key value pairs and according to code city names are in key and their respective roads are in value so it forms a tree with source node as a root and their roads as children and we have to visit each road to check so bfs is better to implement in this case as it first visit all its child nodes before going downwards.