Programming Assignment 2: A problem well-stated is a problem half-solved !

1. Problem statement

◆ Given a transportation network represented as a graph where nodes/state represent cities and edges represent road links between the cities, implement a function (using any high level language; preferably Python) that performs a breadth-first search and return the path from starting city to the destination city, if there exist.
Starting city: Biratnagar
Destination city: Illam
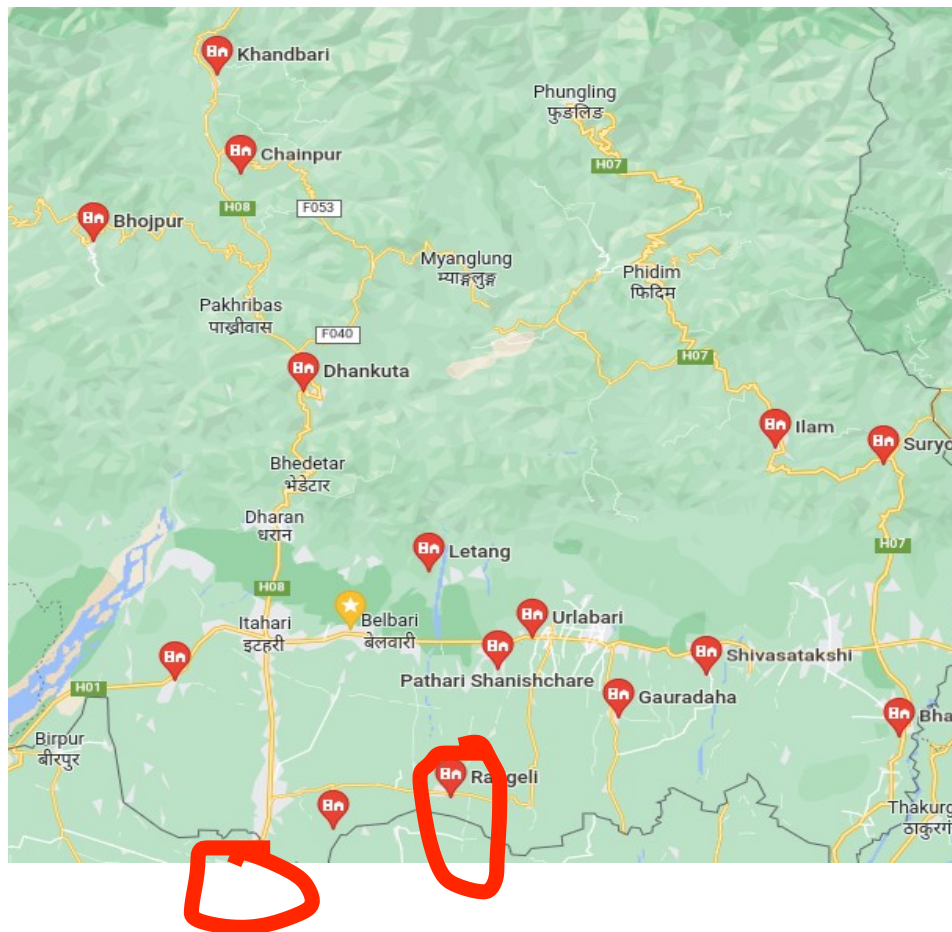
Now based on your family hierarchy represented as a tree implement a function (using any high level language; preferably Python) that performs a depth-first search and return the path from node Great_grand_parents (root node) to node You (Parents_child).

Straight–line distance to Bucharest	
Arad	366
Bucharest	0
Craiova	160
Dobreta	242
Eforie	161
Fagaras	176
Giurgiu	77
Hirsova	151
Iasi	226
Lugoj	244
Mehadia	241
Neamt	234
Oradea	380
Pitesti	10
Rimnicu Vilcea	193
Sibiu	253
Timisoara	329
Urziceni	80
Vaslui	199
Zerind	374
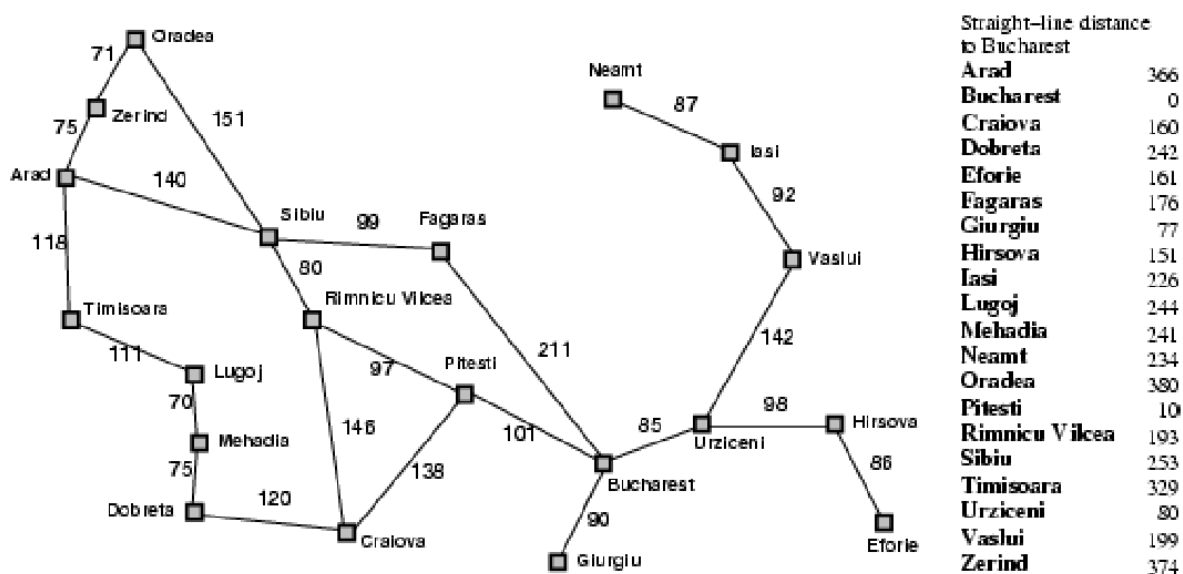
Given following graph of cities, starting at Arad city, problem is to reach to the Bucharest.
◆

Warning:
The assignment is simple enough, and the instructor too has access to existing online implementations. Further, the assignment has to be done individually. Any hint of plagiarism will lead to serious implications.