

EC-350 AI and Decision Support Systems

Assignment# 1

Deadline: Wed, 25 Oct

The assignment is divided into 2 parts.

Deliverables: Part I to be solved on paper. Print out of Code in Part II with Comments and Output.

Part I:

A city map of Romania is given below. Find the path and the depth of the path from Arad to Bucharest using **Breadth First Search**.

Assume that the edges mention **step cost** between any two nodes. Find the path and the path cost from Arad to Bucharest using **Uniform-cost search**.

Part II:

Write a script (program) to solve the same problem by using **Breadth First Search** only.

