

Tutorial Week 4 – Search

Aim

- Review definitions.
 - Experiment with BFS, DFS, A* algorithms by drawing search trees.
 - Compare the performance of each of the Algorithms using the provided notebook.
1. **Define in your own words the following terms: state, state space, search tree, search node, goal, action, transition model, and branching factor.**
 2. **A*, BFS, DFS algorithm comparison.**
 - a. Download Tut4search.ipynb
 - b. Place it in your aima-python folder.
 - c. Start jupyter notebook (or jupyter lab)
 - d. Work through the notebook.

With reference to the Romania map below, work through Tut4search.ipynb.

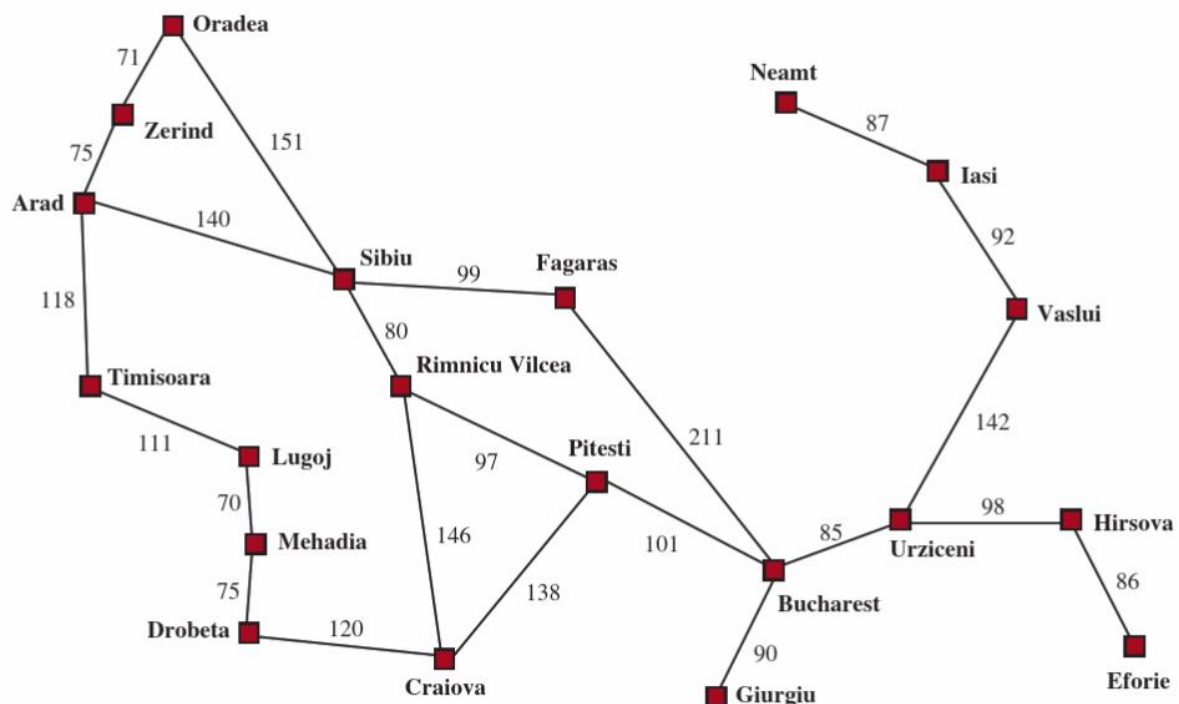


Figure 3.1 A simplified road map of part of Romania, with road distances in miles.

End