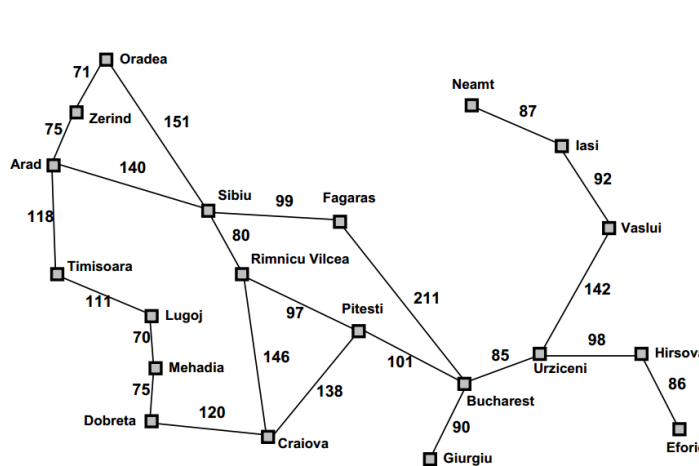# In Class Activity Heuristic Search (ICA4)

Please solve the following search problem with your neighbor using this worksheet and enter your responses at

Find a path from Oradea to Bucharest using the graph search version (i.e., no duplicate nodes in the search tree) of **A\* search** and the heuristic on the right.

| | | | |
|---|---|---|---|
| Arad | 366 | Mehadia | 241 |
| Bucharest | 0 | Neamt | 234 |
| Craiova | 160 | Oradea | 380 |
| Drobeta | 242 | Pitesti | 100 |
| Eforie | 161 | Rimnicu Vilcea | 193 |
| Fagaras | 176 | Sibiu | 253 |
| Giurgiu | 77 | Timisoara | 329 |
| Hirsova | 151 | Urziceni | 80 |
| Iasi | 226 | Vaslui | 199 |
| Lugoj | 244 | Zerind | 374 |

Straight line distances from each city to Bucharest