

Exercise

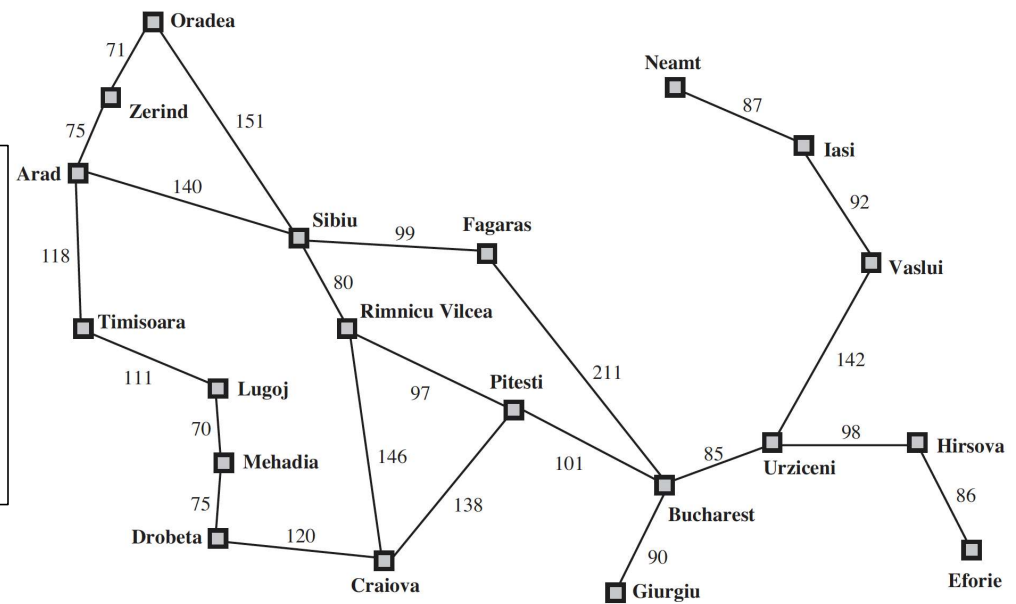
Goal: To get to Bucharest from Arad

Use A* search to find the path.

Straight line distance to Bucharest

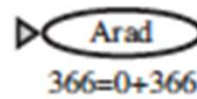
Arad	366	Mehadia	241
Bucharest	0	Neamt	234
Craiova	160	Oradea	380
Drobeta	242	Pitesti	100
Eforie	161	Rimnicu Vilcea	193
Fagaras	176	Sibiu	253
Giurgiu	77	Timisoara	329
Hirsova	151	Urziceni	80
Iasi	226	Vaslui	199
Lugoj	244	Zerind	374

Straight line distance to Bucharest



Exercise

(a) The initial state

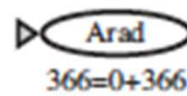


(b) After expanding Arad



Exercise

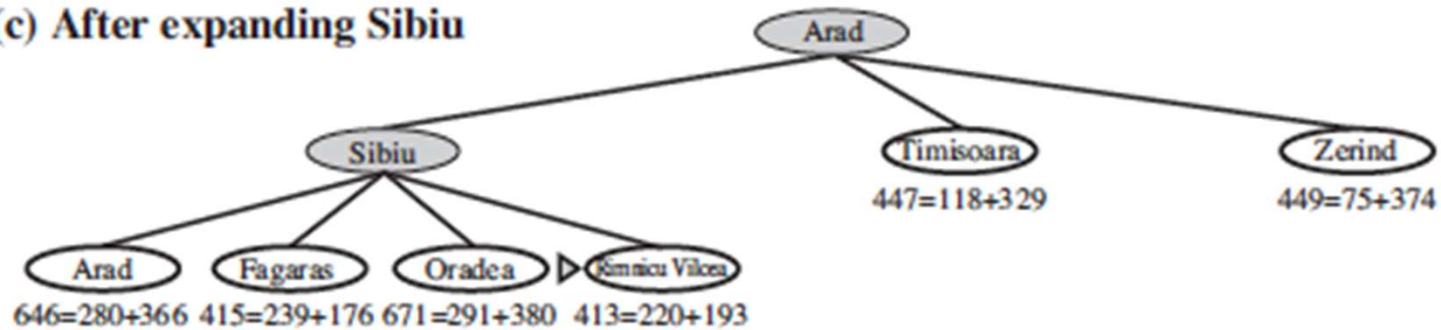
(a) The initial state



(b) After expanding Arad

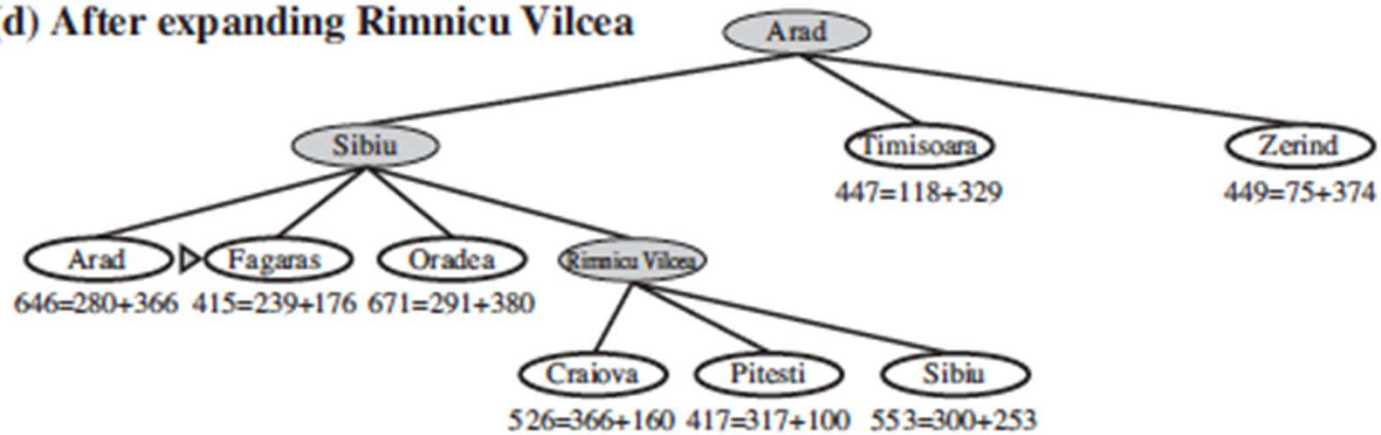


(c) After expanding Sibiu



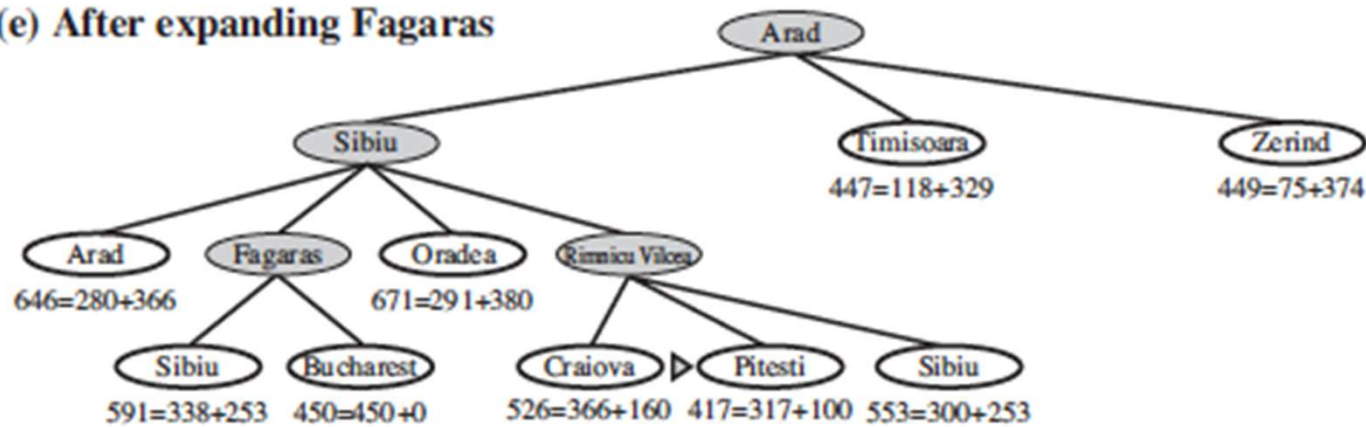
Exercise

(d) After expanding Rimnicu Vilcea



Exercise

(e) After expanding Fagaras



Exercise

(f) After expanding Pitesti

