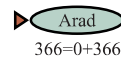
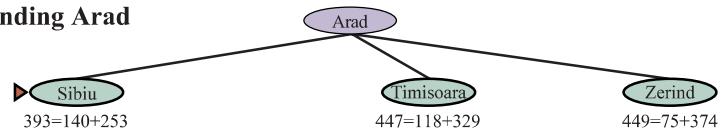


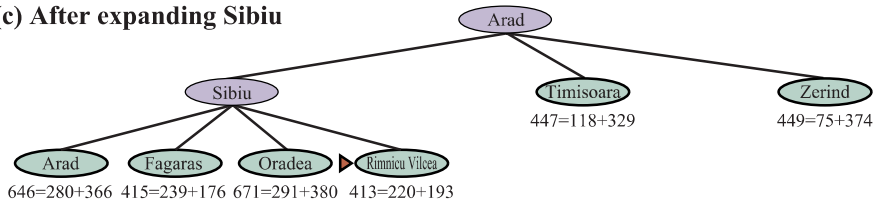
(a) The initial state



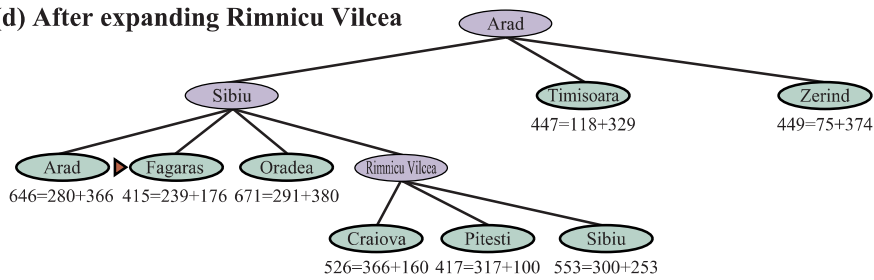
(b) After expanding Arad



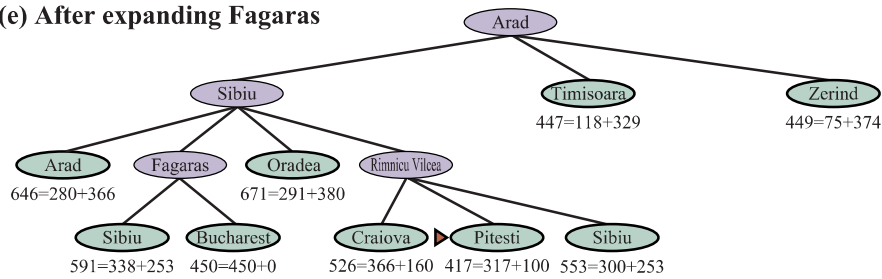
(c) After expanding Sibiu



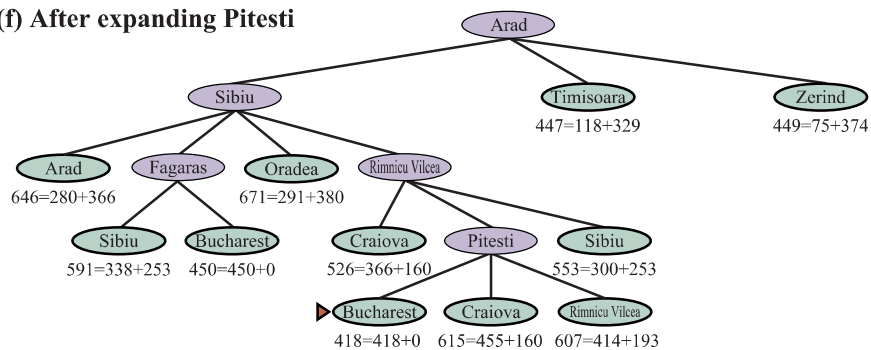
(d) After expanding Rimnicu Vilcea



(e) After expanding Fagaras



(f) After expanding Pitesti



**Figure 3.18** Stages in an A\* search for Bucharest. Nodes are labeled with  $f = g + h$ . The  $h$  values are the straight-line distances to Bucharest taken from Figure ??.