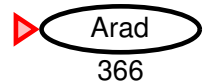
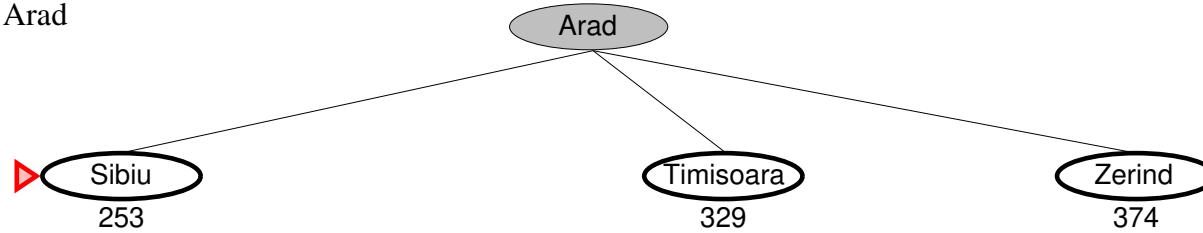
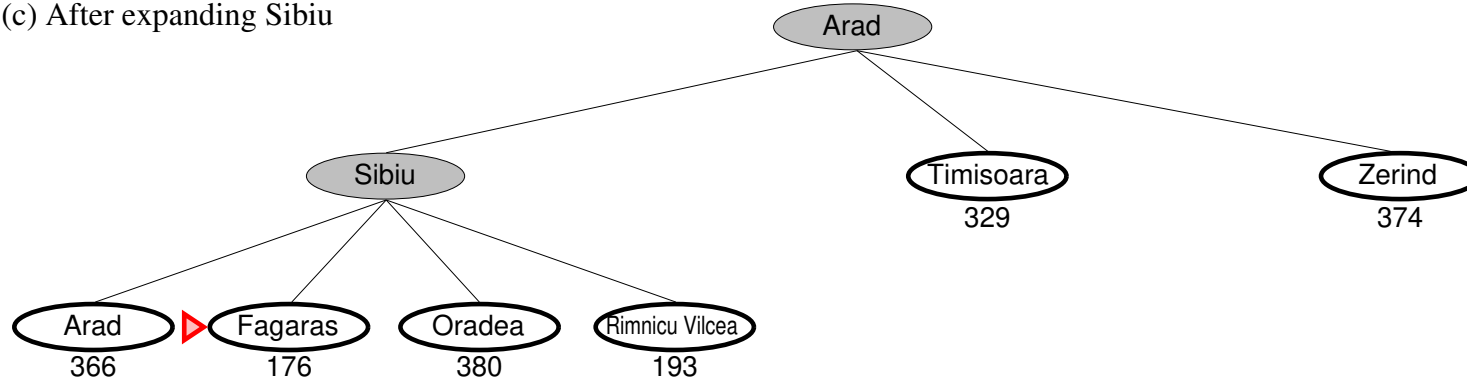
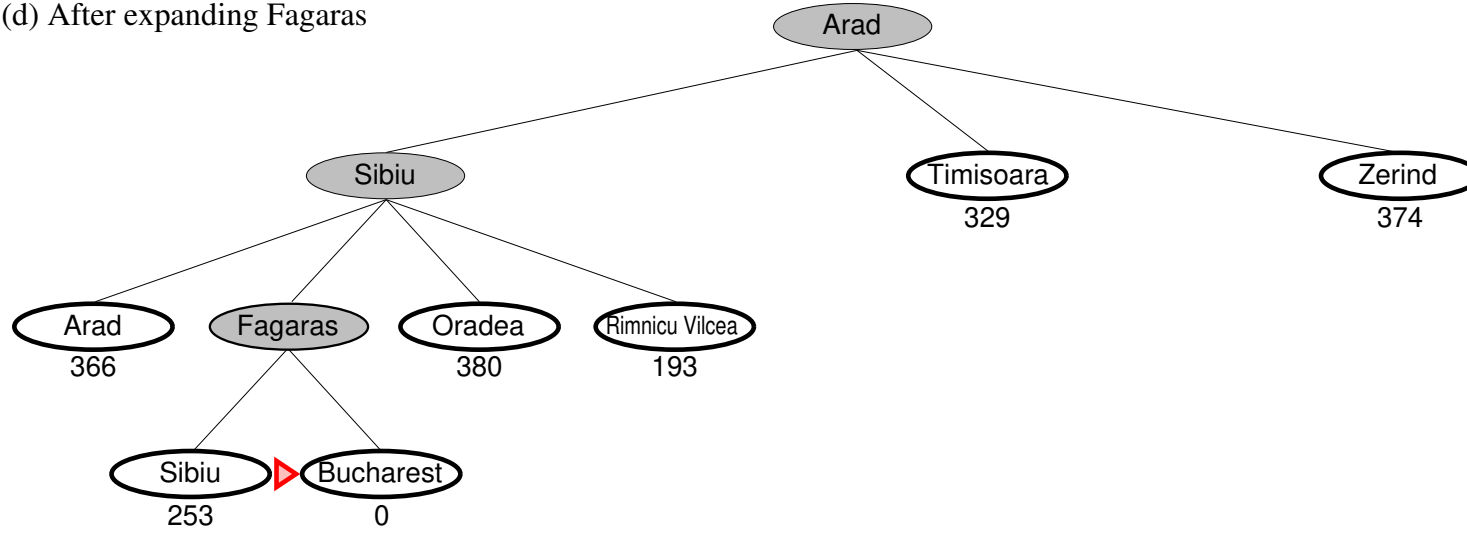
(a) The initial state



(b) After expanding Arad



(c) After expanding Sibiu



(d) After expanding Fagaras