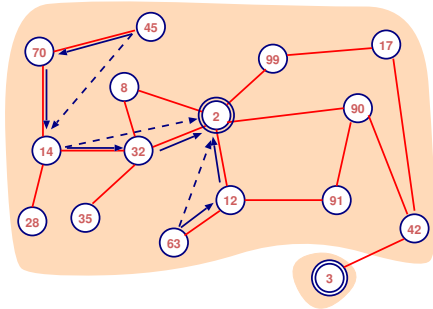(a) 1-hop Neighborhoods

(b) 2-hop Neighborhoods