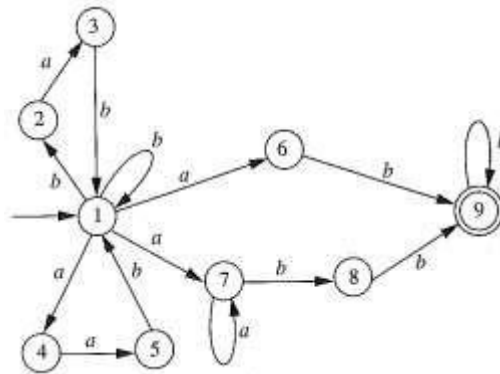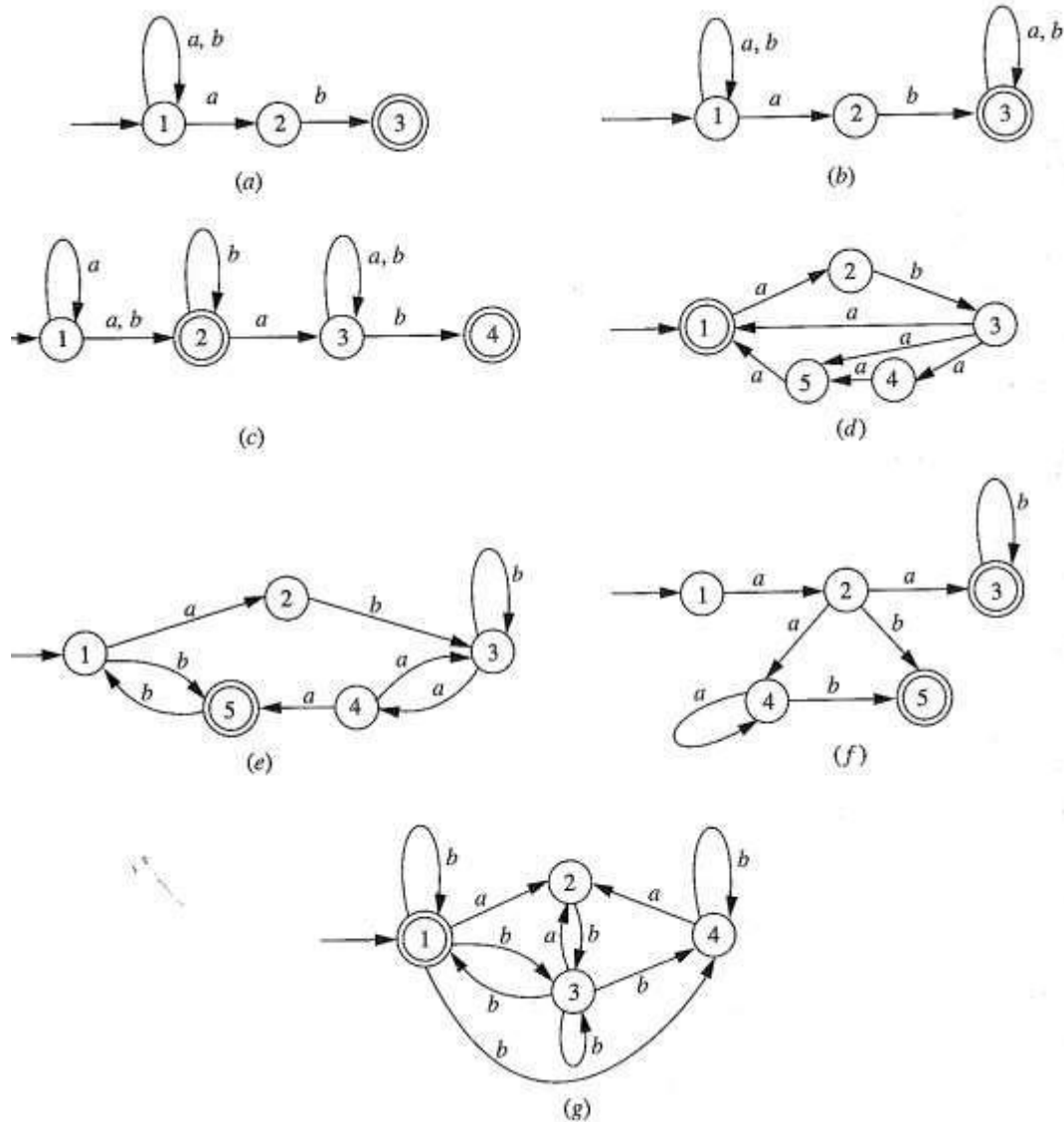# Tutorial No 4 Non Deterministic Finite Automata

Q.1  In the NFA given below, Calculate each of the following:
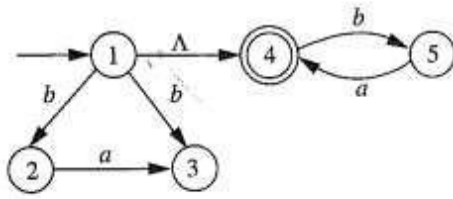
a. $\delta^*(1, bb)$

b. $\delta^*(1, bab)$

c. $\delta^*(1, aabb)$
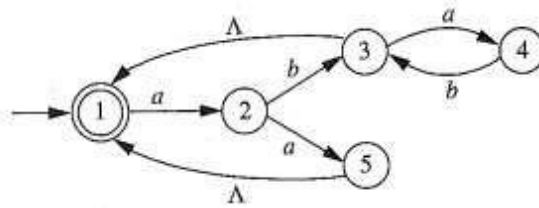
d. $\delta^*(1, aabbab)$

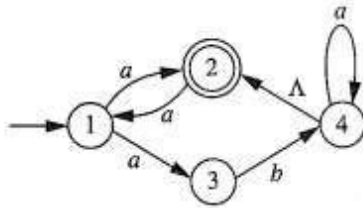e. $\delta^*(1, aba)$



Q:2 Convert the following NFA to DFA



(a)

(b)

(c)

(d)

(e)

(f)

(g)

Q:3 Convert the following NFA-^ to corresponding DFA



(a)



(b)



(c)



(d)