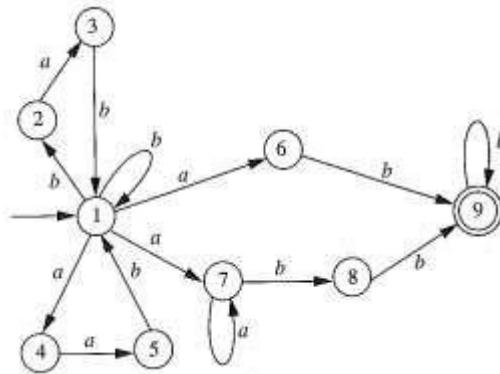


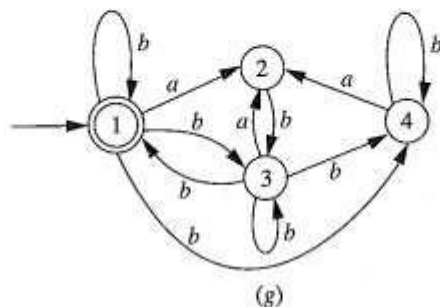
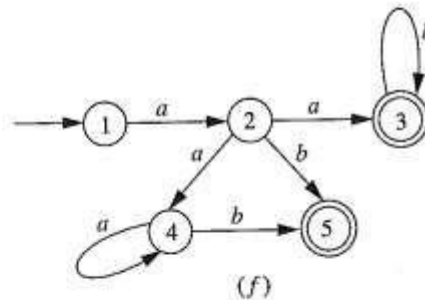
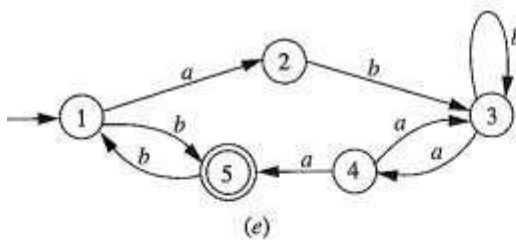
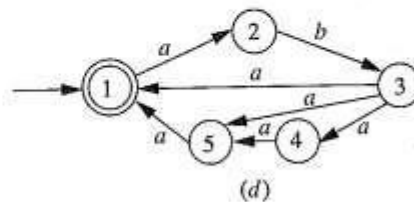
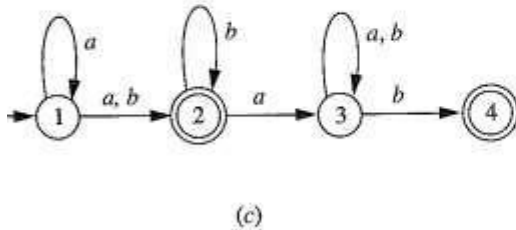
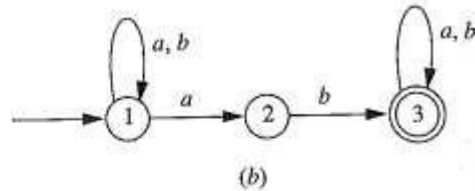
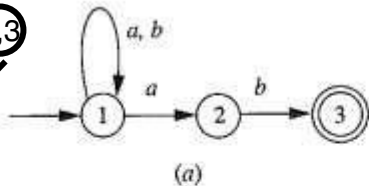
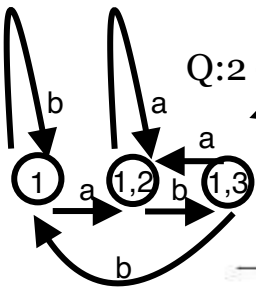
Tutorial No 4 Non Deterministic Finite Automata

Q.1 In the NFA given below, Calculate each of the following:

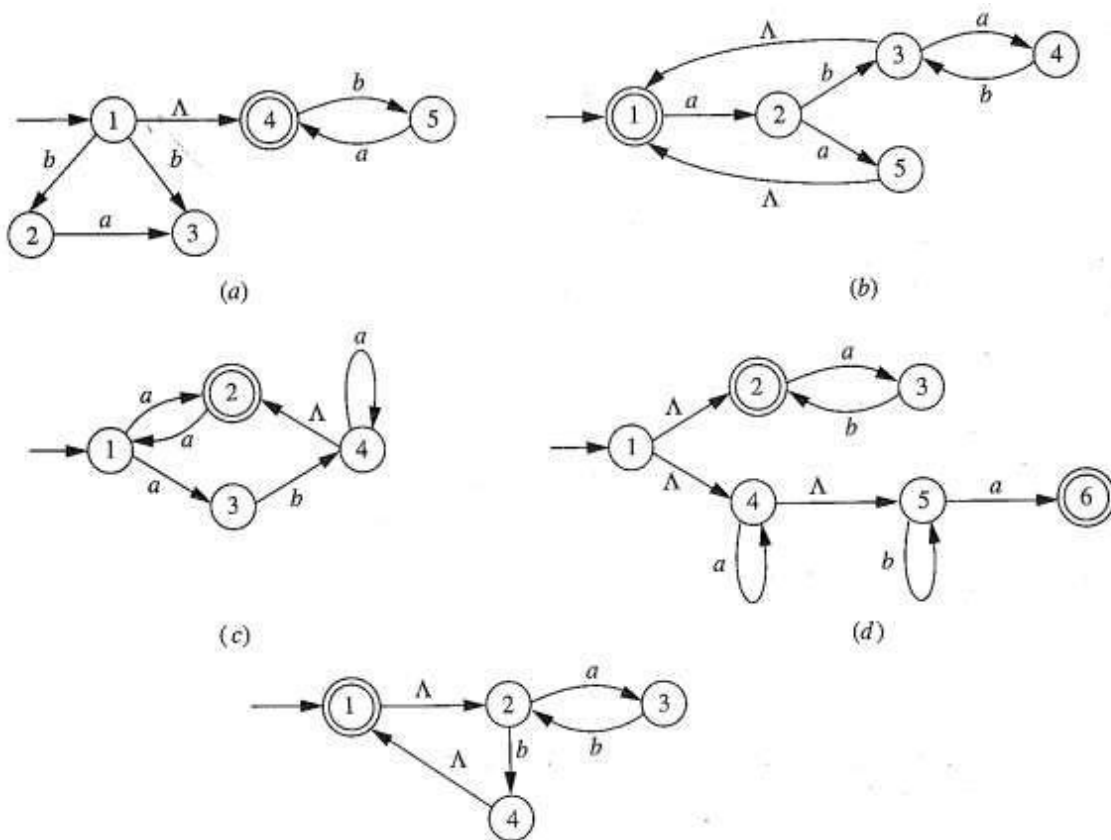
- {1,2} a. $\delta^*(1, bb)$
- {1,8,9} b. $\delta^*(1, bab)$
- {1,2,9} c. $\delta^*(1, aabb)$
- {1,8,9} d. $\delta^*(1, aabbab)$
- { ϕ } e. $\delta^*(1, aba)$



Q:2 Convert the following NFA to DFA



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



If we can visit final stage from starting stage via null transition then initial stage will also be final stage.