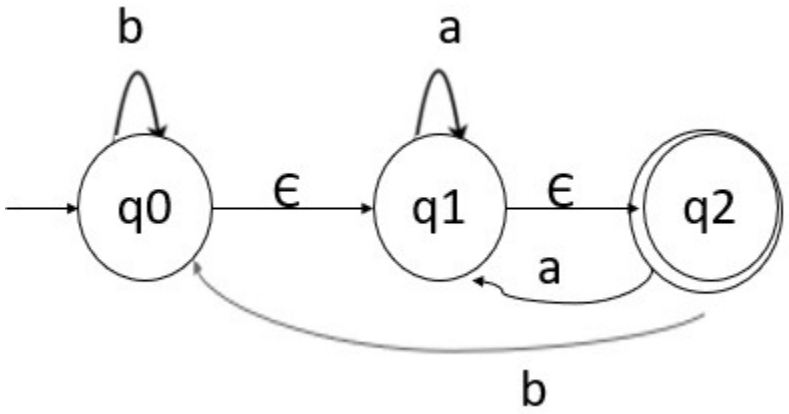
CONVERTING λ NFA TO DFA

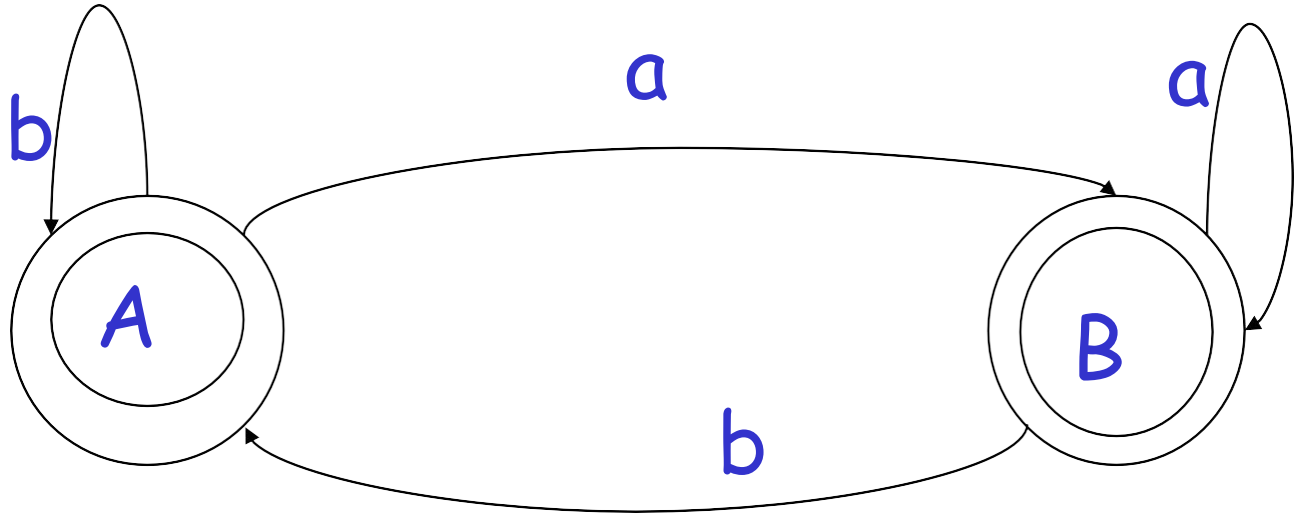
Lamda NFA



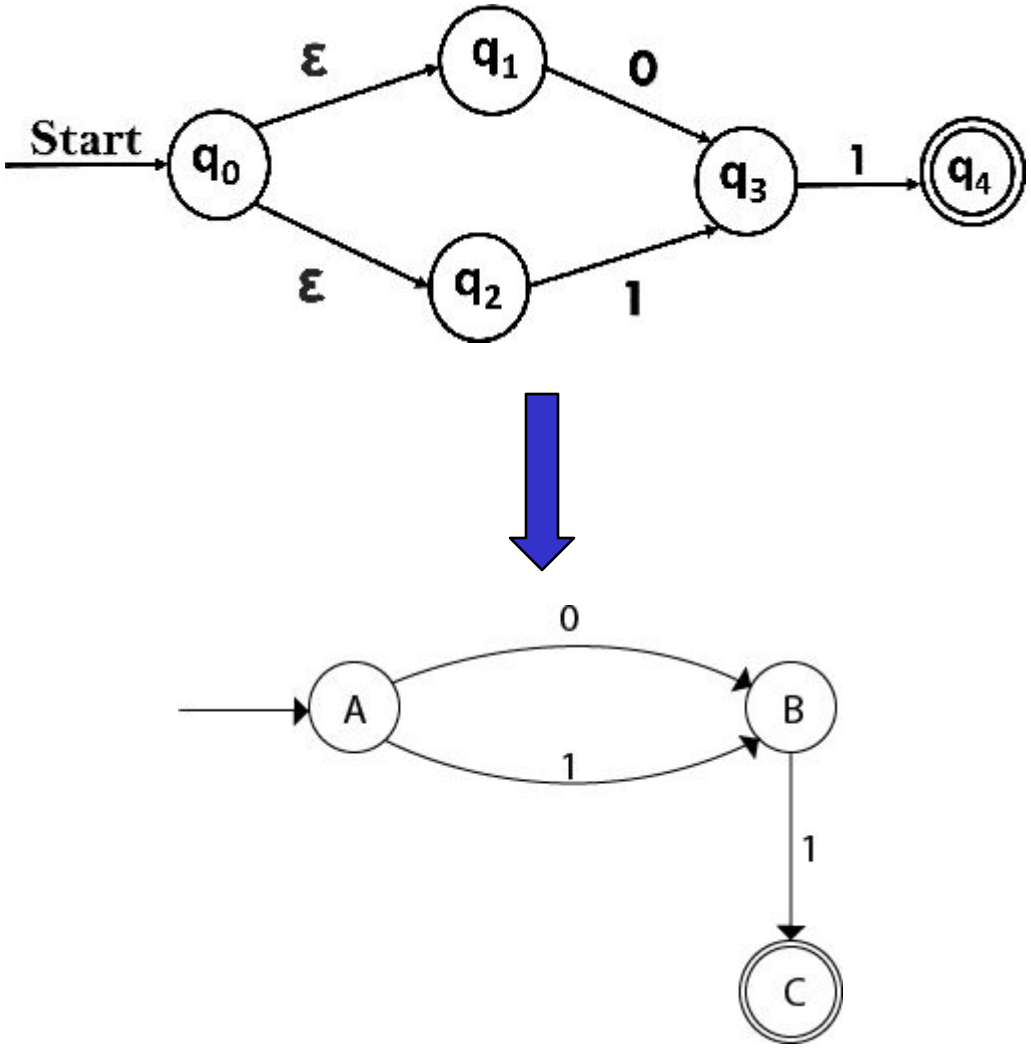
- ε- closure(q0)={q0,q1,q2} = state A
- ε-closure(q1)={q1,q2}
- ε- closure(q2)={q2}
- δ (A,a) = δ {(qo,a) U (q1,a) U (q2,a)} ={q1,q2} = B
- δ (A,b) = δ {(qo,b) U (q1,b) U (q2,b)}={qo,q1,q2} = A
- δ (B,a) = δ {(q1,a) U (q2,a)} ={q1,q2} = B
- δ (B,b) = δ {(q1,b) U (q2,b)} ={qo, q1,q2} = A

DFA Transition Table

States\inputs	a	b
A	B	A
B	B	A



Exercise



Exercise