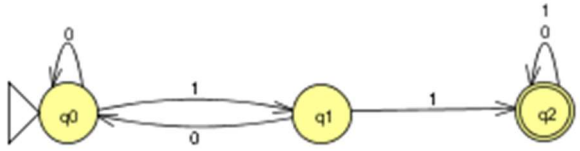
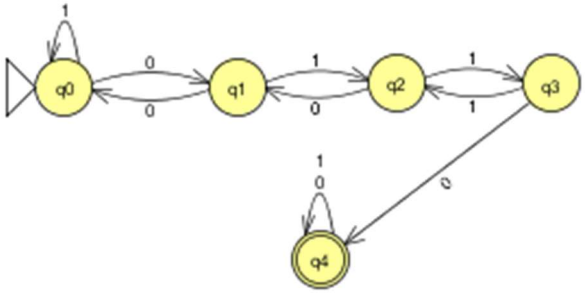
EX 1:



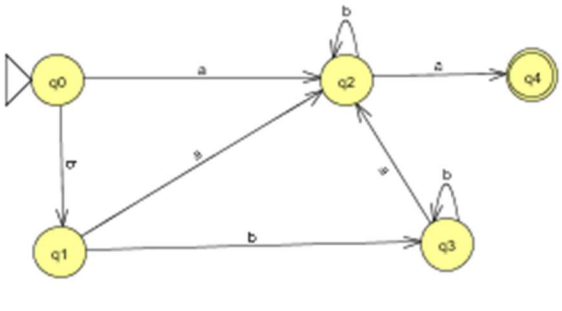
Input	Result
10111100101	Accept
11	Accept

EX 2:



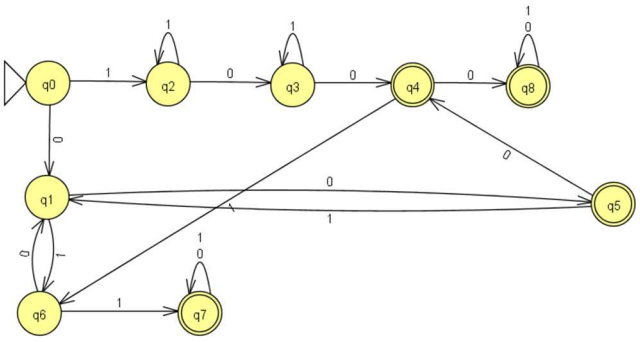
Input	Result
0110	Accept

Ex 3:



Input	Result
baba	Accept

Ex 4:



Input	Result
00	Accept
1111000111111	Accept
0000000110000001	Accept
0001110001110001111	Accept
1010101010	Reject
0101010101	Reject