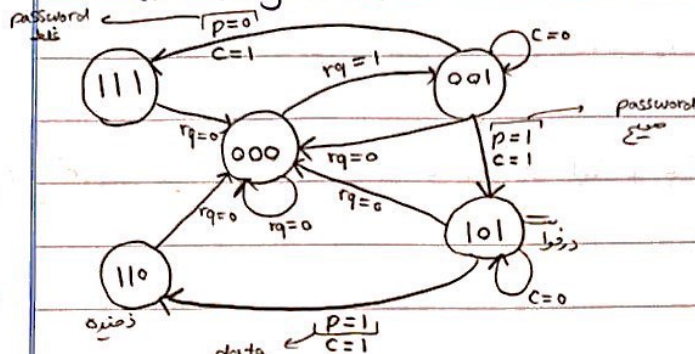


state diagram :



present state
Q₂ Q₁ Q₀

input
r_q p c

next state
Q₂(+) Q₁(+) Q₀(+)

0 0 0

0

x

x

0 0 0

0 0 1

1

x

x

0 0 1

1 1 1

0

x

x

0 0 0

1 0 1

0

x

x

0 0 0

1 1 0

0

x

x

0 0 0

$$Q_1(t+1) = [Q_1'(t) Q_r'(t) Q_r(t) \cdot c + Q_1 Q_r Q_r + Q_1 Q_r Q_r'] \cdot r$$

$$Q_r(t+1) = [Q_1' Q_r' Q_r \cdot p \cdot c + Q_1 Q_r Q_r + Q_1 Q_r Q_r' \cdot c \cdot p] \cdot r$$

$$Q_r(t+1) = [Q_1' Q_r' Q_r' + Q_1' Q_r' Q_r + Q_1 Q_r Q_r + Q_1 Q_r Q_r' \cdot c'] \cdot r$$



Scanned with CamScanner

FSM machine :

