

Characteristic Table

	J	K	Q_{t+1}
0	0	0	Q_t
0	1	0	0
1	0	1	1
1	1	1	Q_t'

Characteristic Table

JK FF با استفاده از D FF

Q_t	Q_{t+1}	J	K
0	0	?	?
0	1	?	?
1	0	?	?
1	1	?	?

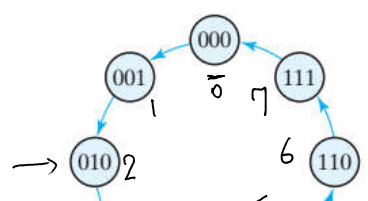
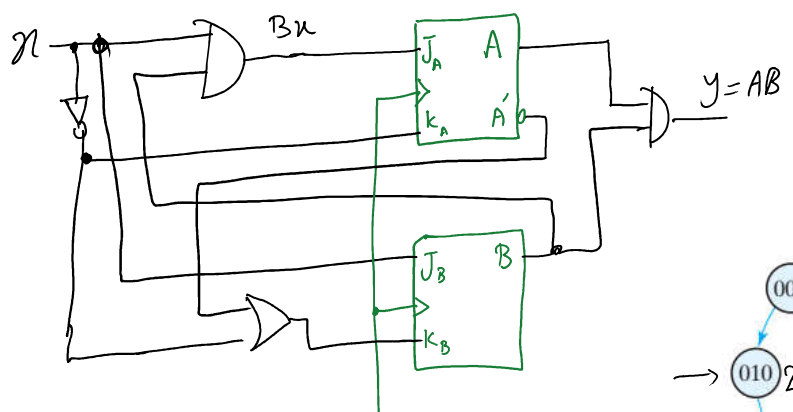
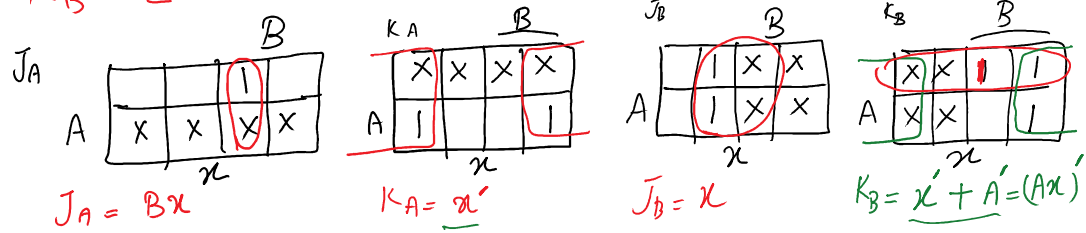
Q_t	Q_{t+1}	J	K
0	0	0,0	1,0
0	1	1,1	0,1
1	0	0,1	1,1
1	1	1,0	0,0

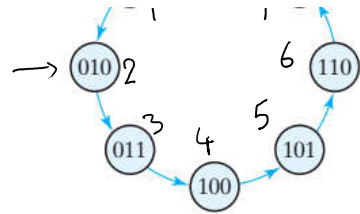
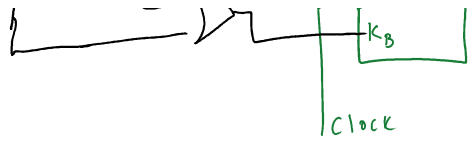
Q_t	Q_{t+1}	J	K
0	0	0	X
0	1	1	X
1	0	X	1
1	1	X	0

Excitation Table

A_t	B_t	χ	A_{t+1}	B_{t+1}	y	J_A	K_A	\bar{J}_B	K_B
0	0	0	0	0	0	0	X	0	X
0	0	1	0	1	0	0	X	1	X
0	1	0	0	0	0	0	X	X	1
0	1	1	1	0	0	1	X	X	1
1	0	0	0	0	0	X	1	0	X
1	0	1	1	1	0	X	0	1	X
1	1	0	0	0	1	X	1	X	1
1	1	1	1	1	1	X	0	X	0

$y = \sum(6,7)$
 $J_A = \sum(3), \sum(4,5,6,7)$
 $K_A = \sum(4,6), \sum(10,11,2,3)$
 $J_B = \sum(1,5), \sum(2,3,6,7)$
 $K_B = \sum(2,3,6), \sum(0,1,4,5)$





شماره Counter

حالت فعلی

	A_2	A_1	A_0	حالت بعدی	A_2	A_1	A_0	T_{A_2}	T_{A_1}	T_{A_0}
0	0	0	0	1	0	1	0	0	0	1
1	0	0	1	2	0	1	1	0	1	1
2	0	1	0	3	0	1	0	1	0	1
3	0	1	1	4	1	0	0	0	0	1
4	1	0	0	5	1	0	1	0	0	1
5	1	0	1	6	1	1	0	0	1	1
6	1	1	0	7	1	1	1	1	1	1
7	1	1	1	0	0	0	0	1	1	1

State Table

$$T_{A_2} = \sum(3, 7)$$

$$T_{A_1} = \sum(1, 3, 5, 7)$$

$$T_{A_0} = 1$$

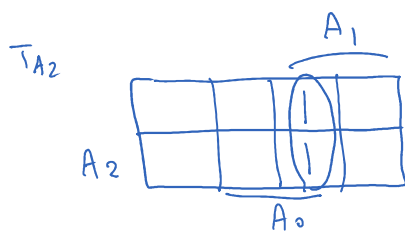
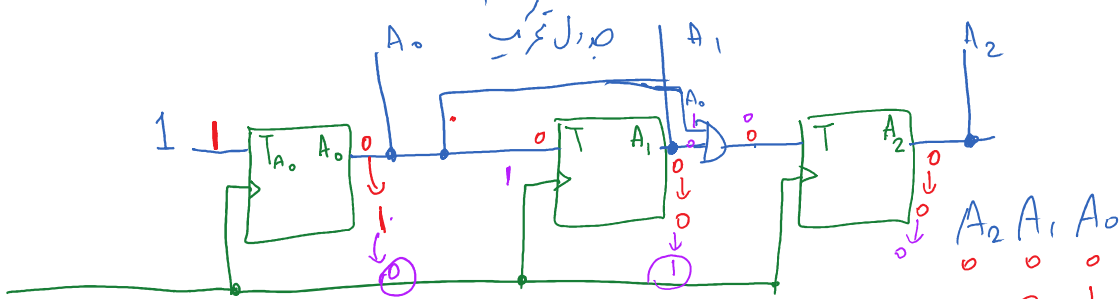
جدول تغییرات

T	Q_{t+1}
0	Q_t
1	\bar{Q}_t

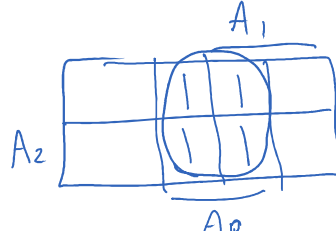
جدول تغییرات

Q_t	Q_{t+1}	T
0	0	0
0	1	1
1	0	1
1	1	0

$A_2 A_1 A_0$



$$T_{A_2} = A_1 A_0$$



$$T_{A_1} = A_0$$

$$T_{A_0} = 1$$