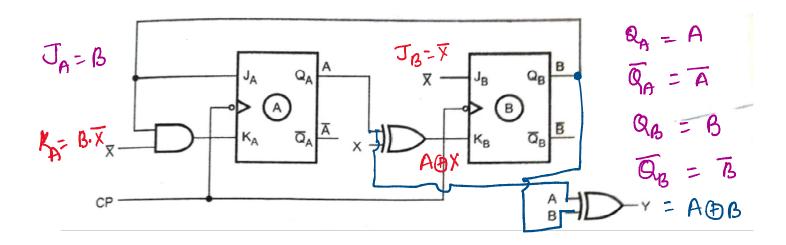
Moore machine



Case	Inp	uts		Out	puts	
	CLK	J	K	Q_{n+1}	$\bar{\bar{Q}}_{n+1}$	Remark
I	×	0	0	Q _n	\bar{Q}_n	No change
II	(1)	0	0	Qn	\bar{Q}_n	No change
III	(1)	0	1	9 = 0	1	Reset
IV	(1)	1	0	1	0	Set
V	(l)	1	1	\bar{Q}_n	Q _n	Toggle

Fig7. Truth table of Master slave JK FF

	QA QB AB Present state	X Input	JA=QB J _A = B	$KA = \overline{X} OB$ $k_A = \overline{X} \cdot B$	JB=X J _R = X	KB=QA@X	Next state QA(t+1)	Next state QB(t+1)	$y = A \oplus g$
(06	X=0	Q F = 0	Ka = 1.0=0	JB=1	Kg=0⊕0=0 O	0	1	0⊕0 = 0
A)	00	X=1	JA = 0	Ka=0.0 Ka=0	JB=0	KB= [0	0	000=0
4	2 17	X=0	$J_{A} = B$ $J_{A} = 1$	Ka = XB	$J_{\mathcal{B}} = \overline{X}$ $J_{\mathcal{B}} = 1$	K _B = A++× = 000 = 0	1	1)	0⊕1 = 1

		• -			

Preser	Present state		Next	Output		
-			X = 0		= 1	
A	В	A	В	A	В	Y
0	0	0	1	0	0	0
0	1	1	1)	1	0) 1
1	0	1	1	1	0	1
1	1	0	0	1	1	0

State table

Present state			Next	state	Output	
		X = 0		X = 1		
A	В	A	В	A	В	Υ
0	0	0	1	0	0	0 🗸
0	1	1	1	1	0	1
1	0	1	1	1	0	1.
1	1	0	0	1	1	0

