

A	B	C	D	F
0	0	0	0	0
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	1
1	1	1	0	0
1	1	1	1	0

CD	00	01	11	10
AB				
00		1	1	1
01		1	1	1
11		1		
10		1		

$$F = C'D + A'B$$

Present state		input X	Next st.		D <sub>1</sub>	J <sub>0</sub>	K <sub>0</sub>
Q <sub>1</sub>	Q <sub>0</sub>		Q <sub>1</sub>	Q <sub>0</sub>			
0	0	0	0	1	0	1	0
0	0	1	0	1	0	1	1
0	1	0	0	1	0	1	0
0	1	1	1	0	1	1	1
1	0	0	1	0	1	0	0
1	0	1	0	1	0	1	1
1	1	0	1	1	1	0	0
1	1	1	1	0	1	0	1

