



X: input

y: output → LED

x	Q _n			Q _{n+1}			y
	A	B	C	D _A	D _B	D _C	
0	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0
0	0	1	0	0	1	0	0
1	0	1	0	1	0	0	0
0	1	0	0	1	0	0	0
1	1	0	0	1	1	0	0
0	1	1	0	1	1	0	0
1	1	1	0	1	1	1	0
0	1	1	1	1	0	1	0
1	1	1	1	1	1	1	1
0	1	0	1	0	1	1	0
1	1	0	1	1	0	1	0
0	0	1	1	0	0	1	0
1	0	1	1	0	1	1	0
0	0	0	1	0	0	0	0
1	0	0	1	0	0	1	0

Date : / /



AB

	00	01	11	10
00	0	0	1	1
01	0	1	1	1
11	0	0	1	1
10	0	0	1	0

$$D_A = AC' + Ax + ABC + BC'x$$

AB

	00	01	11	10
00	0	1	1	0
01	1	0	1	1
11	0	1	1	0
10	0	0	0	1

$$D_B = BC'x' + B'C'x + BCx + AB'Cx' + AC'x$$

AB

	00	01	11	10
00	0	0	0	0
01	0	0	1	0
11	1	1	1	1
10	0	1	1	1

$$D_C = BC + AC + ABx + Cx$$