

1

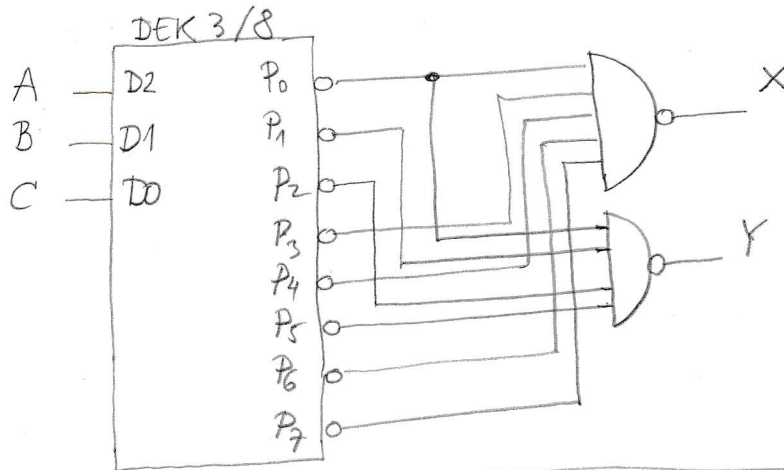
n	A	B	C	X	Y
0	0	0	0	1	1
1	0	0	1	0	1
2	0	1	0	0	1
3	0	1	1	1	0
4	1	0	0	1	0
5	1	0	1	0	1
6	1	1	0	1	0
7	1	1	1	1	0

$$X = P_0 + P_3 + P_4 + P_6 + P_7$$

$$X = \overline{\overline{P_0 + P_3 + P_4 + P_6 + P_7}}$$

$$X = \overline{P_0} \cdot \overline{P_3} + \overline{P_4} + \overline{P_6} + \overline{P_7}$$

$$Y = \overline{P_0} \cdot \overline{P_1} \cdot \overline{P_2} \cdot \overline{P_5}$$



2

	Q_n				Q_{n+1}			
	D	C	B	A	D	C	B	A
0	0	0	0	0	0	0	0	1
1	0	0	0	1	0	0	1	0
2	0	0	1	0	0	0	1	1
3	0	0	1	1	0	1	0	0
4	0	1	0	0	0	1	0	1
5	0	1	0	1	0	1	1	0
6	0	1	1	0	0	1	1	1
7	0	1	1	1	1	0	0	0
8	1	0	0	0	1	0	0	1
9	1	0	0	1	0	0	0	0
	1	0	1	0	X	X	X	X
	1	0	1	1	X	X	X	X
	1	1	0	0	X	X	X	X
	1	1	0	1	X	X	X	X
	1	1	1	0	X	X	X	X
	1	1	1	1	X	X	X	X

	BA			
D_D	00	01	11	10
00	0	0	0	0
01	0	0	1	0
11	X	X	X	X
10	1	0	X	X

$$D_D = D \cdot \overline{A} + CBA$$

	BA			
D_B	00	01	11	10
00	0	1	0	1
01	0	1	0	1
11	X	X	X	X
10	0	0	X	X

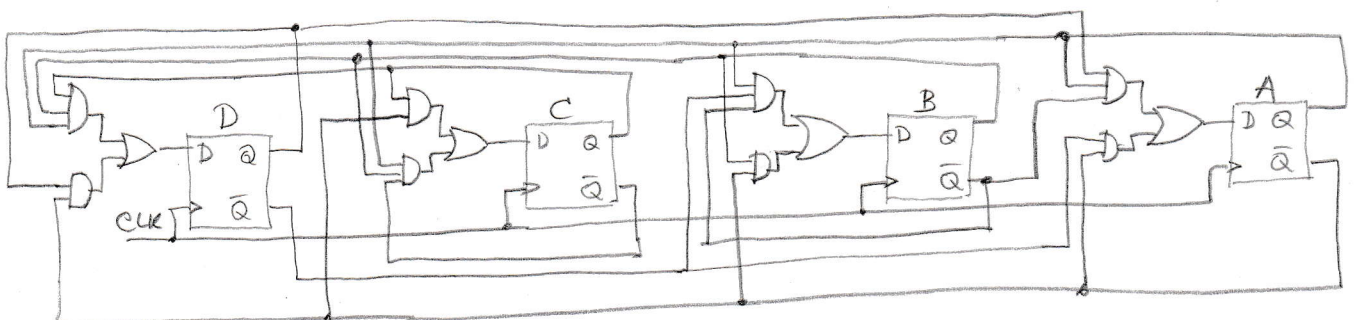
$$D_B = \overline{D} \cdot \overline{B} \cdot A + B\overline{A}$$

	BA			
D_C	00	01	11	10
00	0	0	1	0
01	1	1	0	1
11	X	X	X	X
10	0	0	X	X

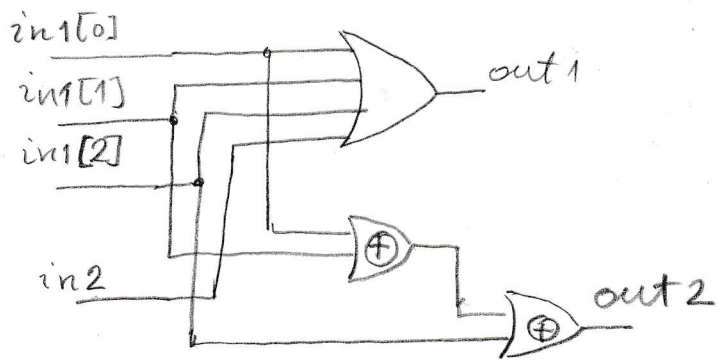
$$D_C = C\overline{A} + \overline{C}BA$$

	BA			
D_A	00	01	11	10
00	1	0	0	1
01	1	0	0	1
11	X	X	X	X
10	0	1	X	0

$$D_A = \overline{D}\overline{A} + D\overline{B}A$$



③



④

