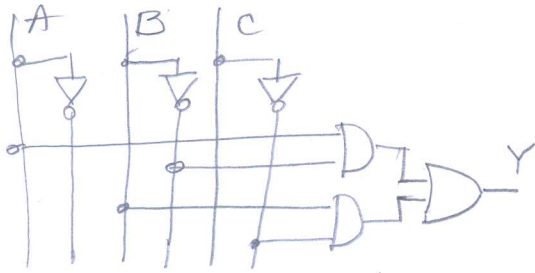


①



$$Y = A\bar{B} + B\bar{C}$$

		BC	00	01	11	10
A	0					1
	1		1	1		1

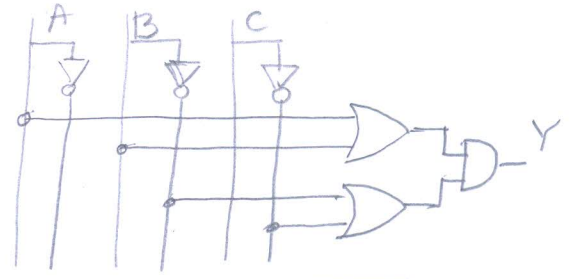
1	1	1			
		1			

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

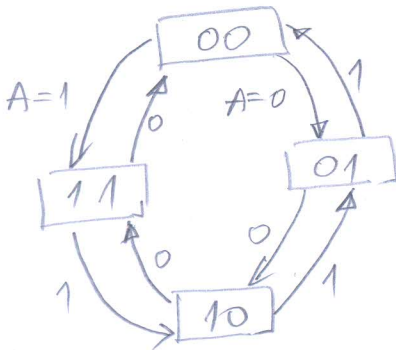
$$\bar{Y} = \bar{A}\bar{B} + BC;$$

$$Y = \overline{\bar{Y}} = \overline{\bar{A}\bar{B} + BC}$$

$$Y = (A+B)(\bar{B}+\bar{C})$$



②



	n	n+1	
A	Q1Q0	Q1Q0	D1 D0
0	00	01	01
0	01	10	10
0	10	11	11
0	11	00	00
1	00	11	11
1	01	00	00
1	10	01	01
1	11	10	10

D1 Q1Q0

		Q1Q0	00	01	11	10
A	0		0	1	0	1
	1		1	0	1	0

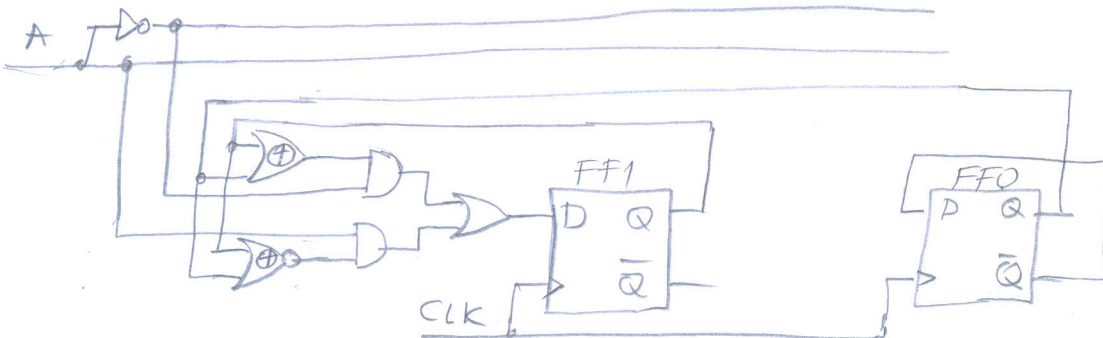
$$D1 = \bar{A}\bar{Q}1Q0 + A\bar{Q}1\bar{Q}0 + A\bar{Q}1Q0 + A\bar{Q}1Q0$$

$$D1 = \bar{A}(Q1 \oplus Q0) + A(Q1 \oplus Q0)$$

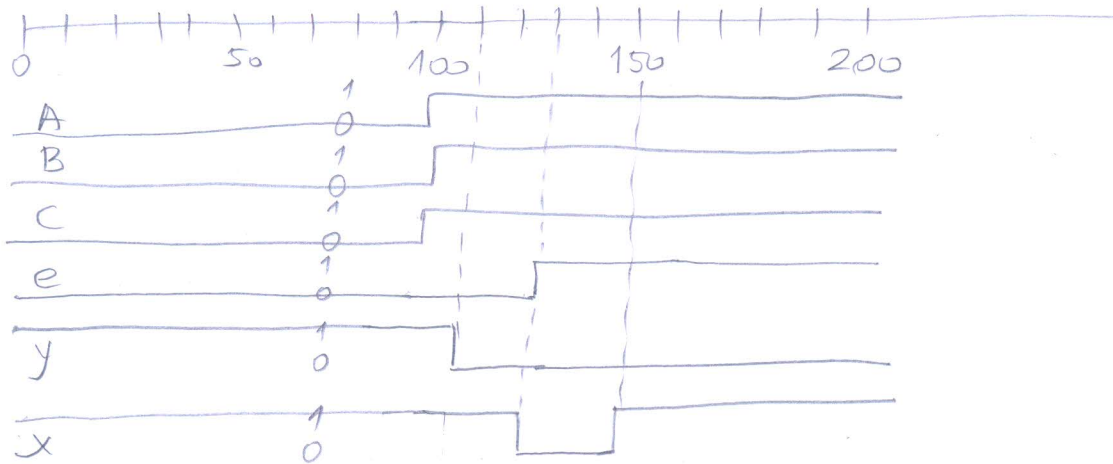
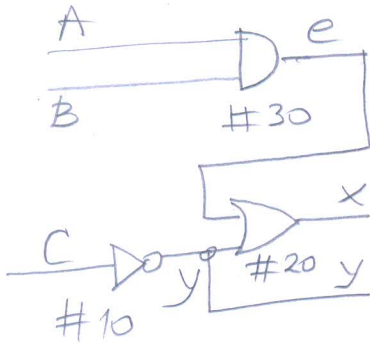
D0 Q1Q0

		Q1Q0	00	01	11	10
A	0		1	0	0	1
	1		1	0	0	1

$$D0 = \bar{Q}0$$



③



④

