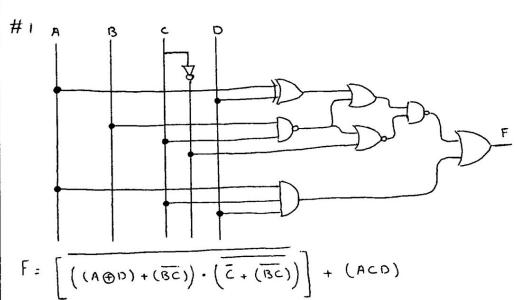
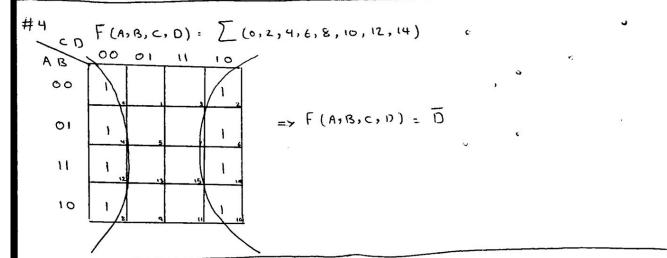
رمنادین بدر ۱۳ ۹۸۱۴۳۵ متین سر ۲ سیتم دیستا

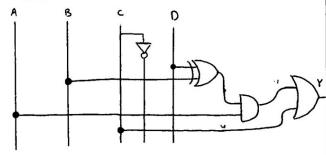


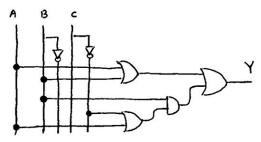
$$F = (xy) + (yz)$$

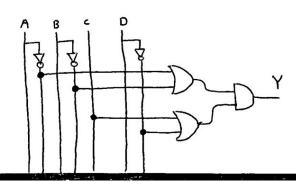
$$G = G \cdot (\bar{x}\bar{y}) + (\bar{x}z)$$

# 2	a	b	W=aBb	a	Ь	W = (a@b)	= a⊗	ь <u>=</u>	(a=b)
	0	0	0	0	0	1			
	0	1	{ ,	0		0			
		0	1 1 0 2	1	0	0			
	·			ŧ	1	<i>l</i> .			
	1	1							
						/			









F= (BC+AD) (AB+CO) #6

$$=> \overline{F}: \left((\overline{BC}_{+}^{*} + \overline{AD})(\overline{AB} + \overline{CD})\right) = \left((\overline{B} + \overline{C}) \cdot (\overline{A} + \overline{D}) \cdot (\overline{C} + \overline{D})\right) = \overline{Z}$$

Α	BO	a :	BC	ĀD	AB	(D)	BC + AD	AB+00	F	F	Z	
0000-0000	0	0 1 0 0 0 1 1 0 1 1 0 0	000-00-000	0 - 0 0 0 0 - 0 0 0 0 0 0 0	0 0 0 0 - 0 0 0 0 0 0 0 0	00-0000-00-00-0	0-0-00-0000	0 0 - 0 - 0 - 0 - 0 - 0	0000000000000000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3

#7 a)
$$\bar{x} + x(x+\bar{y})(y+\bar{z}) = \bar{x} + xxy + xx\bar{z} + xy\bar{y} + x\bar{y}\bar{z} = \bar{x} + xy + x\bar{z} + x\bar{y}\bar{z}$$

$$= \bar{x}(y+\bar{y})(z+\bar{z}) + xy(z+\bar{z}) + x\bar{z}(y+\bar{y}) + x\bar{y}\bar{z} = \bar{x}yz + \bar{x}y\bar{z} + \bar{x}\bar{y}z + \bar{x}\bar{y}\bar{z} + \bar{x}\bar{y}z + \bar{x}\bar{y}\bar{z} + \bar{x}\bar{y}z + \bar{x}\bar{y}\bar{z} + \bar{x}\bar{y}\bar{z}$$

= ABC (D+D) + AD (B+B) (C+E) + A (B+B) (C+E) (D+D)

= ABCD + ABCO + ABCO

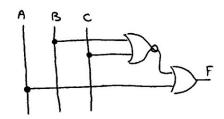
+ ABED + ABED

=> $F(A,B,c,D) = \sum_{(15,14,12,10,8,13,11,9)} = \prod_{(0,1,2,3,4,5,6,7)}$

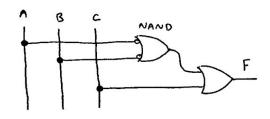
#8
$$F = \left[\overline{AB(\overline{c}O+\overline{O}) + B(A+\overline{A}cO)}\right] = (A+\overline{B}) + ((C+\overline{O})\cdot D)\cdot \overline{B} + (\overline{A}\cdot (A+\overline{c}+\overline{O}))$$

= A+B + BCD + AC+AD

#9



O.	ь	c	(B+c)	F
•	ø	0	,	1
0	۰	1	0	0
0		۰	9	0
1	0	0	,	3
0	1	1	0	0
1	0	1	0	1
1	1	0	•	ı
١	t	1		1



Α	ß	c	AB	F
•	0	0	1	1
0	0	1	١	1
0	1	0	1	1
1	0	0	1	1
١	ı	0	0	٥
١	0	1	١.	١ ١
0	1	1	1) (
1	1	١	0	1 1