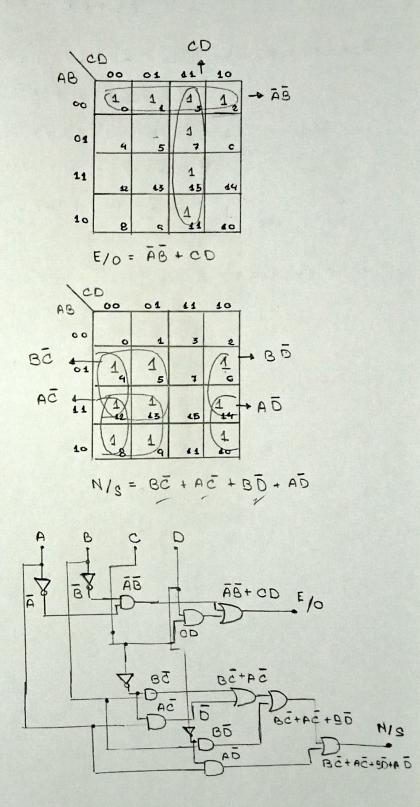
8 cuación para E/0 = 100 + [ (0+0) AB] + ABCD

	Entradas					Salidas		
	A	В	c	D	EO	из		
O	0	0	0	0	1	0		
1	0	0	0	1	1	ပ		
2	0	0	1	0	1	0		
3	0	0	1	1	1	0		
4	0.	1	,0	0	0	1		
5	0	1,	0	1	0	1		
c	0	į	1	a	0	1		
7	0	1	1	1	1	G		
8	1	0	0	0	0	1		
9	1	0	O	1	0	1		
10	1	0,	1	٥	0	1		
11	1	0	1	1	1	C		
12	1	1	0	0	0	1		
13	1	ı	0	1	0	1		
14	1	1	1	0	0	1		
15	1	1	1	1	1	0		

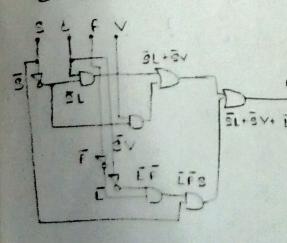


Ejercicio 2:

a. Tabla de verdad

,								
	2	L	>	F	4			
0	0	0	0	0	0			
1	0	0	0	1	0			
2	0	0	1	0	1			
3	0	0	1	1	1			
4	0	1	0	0	1			
5	0	1	0	1	1			
c	0	1	1	0	1			
7	0	1	1	1	1			
8	1	0	0	0	1			
9	1	0	0	1	0			
10	1	0	1	0	1			
11	1	0	1	1	0			
12	1	1	0	0	0			
13	1	1	0	1	0			
14	1	1	1	0	0			
15	1	1	1	1	0			

c. circuito:



b. Expresión reducido en suma de productos y producto de sumas

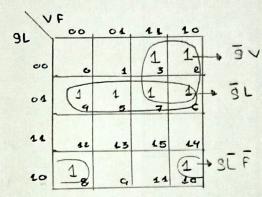
· 9 uma de productos

· producto de sumas

$$Br = (3+L+V+F)(3+L+V+F)(\overline{3}+L+V+F)(\overline{3}+L+V+F)(\overline{3}+L+V+F)$$

$$(\overline{3}+L+V+F)(\overline{3}+L+V+F)(\overline{3}+L+V+F)(\overline{3}+L+V+F)(\overline{3}+L+V+F)$$

## 9 educciones :



Br = 3L + SV + SLF - sume de productos reducida

producto de sumas reducida

$$= (3 + L + V)(\bar{s} + L + \bar{r})(\bar{s} + \bar{L} + \bar{v})$$

$$= (3 + L + V)(\bar{s} + L + \bar{r})(\bar{s} + \bar{L})$$

$$= (3 + L + V)(\bar{s} \bar{s} + \bar{s} \bar{l} + \bar{s} \bar{r} + \bar{l} \bar{s} + L \bar{l} + \bar{l} \bar{r})$$

$$= (3 + L + V)(\bar{s} \bar{s} + \bar{s} \bar{l} + \bar{l} \bar{r})$$

$$= (3 + L + V)(\bar{s} + \bar{l} \bar{r})$$

$$= (3 + L + V)(\bar{s} + \bar{l} \bar{r})$$

= 35+31F+13+11F+15+VIF

= 3L + 3 V + LST

aL +3v+3if = 3L+3v+ sir

Ejereicio 3:

1. F(A,B,C,P) = A(\$,c) + \$6 + A(\$,c) \(\beta(c,c)\)A

= (A(\$,c)\). \$\(\beta(c,c)\). (\beta(c,c)\). (\(\beta(c,c)\). (\(\beta(c,c)\). (\beta(c,c)\). (\(\beta(c,c)\). (\(\beta

= AB+AD

2.  $F(A,B,C,O,E,F,G,H) = \frac{(A+B)+(C+D)(E+F)(G+H)}{(A+B)+(C+D)+(E+F)(G+H)}$  Simplificances la doble  $= \frac{(A+B)+(C+D)+(E+F)(G+H)}{(A+B)+(C+D)+(E+F)(G+H)}$   $= \overline{AB}+\overline{CB}+\overline{EF}\overline{GH}$ 

3.  $P(x, y, z, w) = (\overline{zy} + zy) (\overline{y} + y) w + (\overline{y} + y) wzv$ =  $1(\overline{x} + y)w + (\overline{x} \overline{y})wzv$ =  $(\overline{x} + y)w + (x \overline{y})wzv$ 

e en a light and a light