sura de nontérnines ( ou tous = ( ou a) = ( a) F(a,b,c) = a + b + c  $F(a,b,c) = a \cdot cb + b \cdot b \cdot (c+c) + b \cdot (a+a) \cdot (c+c)$ = a.b.c + a.b.c + a.b.c + a.b.c + b.a.c + b.a.c + b.a.c + b.a.c+ b.a.c + b.a.c= a.b. C + a.b. ō + a b C + a.b. ō + a b. C + a.b. ō = n7 tm6 + ns + nq + n, + mo = = no +m, + m4 + ms + mo + mz  $= \frac{1}{2}(0, 1, 4, 5, 6, 7)$  $h) \quad \mathcal{E}(a,b,c) = (a+b)(b+c)$ 600 1-60 3 = (a+b) + (b+c) = a+b + b.c = a(b+b)(c+o) + b(a+a)(c+o) + (a+a).b.o + 950+ 950 = abc+abc+abc+abc+abc+abc+abc+abc = n7 + n6 + ms + my + ms + m2 + m6 = 6, (0,2,3,4,5,6,7)

c) = (a, b, c, d) = (ab+bcd) + acd F(a,hc,d)= (a+b) (b+o+d) + a & J (b+b) (b) = ab + ac + ad + b + bc + bd + acdb + acdb = a b (cto)(dtd) + a o (btb)(dtd) + ad(cto)(btb) + 5(9+a)(C+a)(d+J) + 50 (9+a)(d+d) + 8 d(9+a)(c+a)  $+ \overline{a} c \overline{d} b + \overline{a} c \overline{d} b$   $= \overline{a} \overline{b} c \overline{d} + \overline{a} \overline{b} c \overline{d} + \overline{a} \overline{b} \overline{c} \overline{d}$ + abod + abod + abod + abod + abod + abod tabed+abed+abed+abed+abed + 9 6 6 6 + 9 6 0 7 + 9 6 6 9 + 9 6 6 9 + 9 6 6 9 + 9 6 6 9 + abcd+abcd+abcd+abcd+abcd+abcd = abodtabodtabodtabodtabodtabod tabedtabed tabed tabed tabed = n3+n2+n,+ no+ns+np+n11+n10+nq+n8 = 2 (0,1,2,3,5,6,7,8,9,t0,1F)

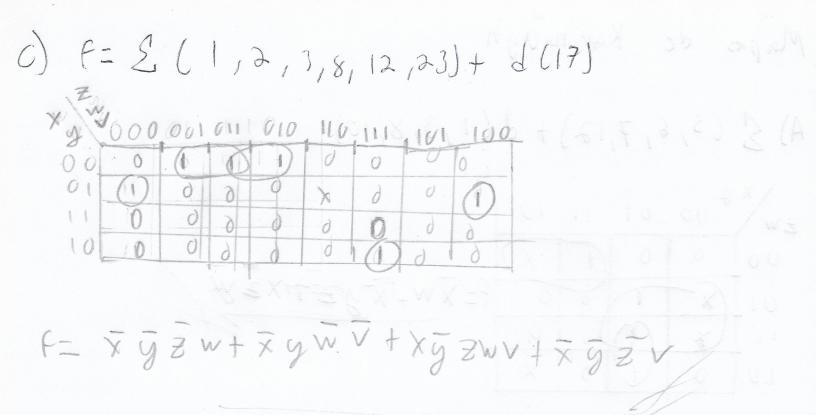
Mapas de Karnaugh

A)  $\{(5,6,7,12) + d(1,3,8,10)\}$   $\{(5,6,7,12)$ 

B) Tr (10,13,14,15). d(0,1,2,8,9)

1	7			
3W/	00.	01		10
00	X	0	0	X
01	X	6	M	X
-	0	0	OKEGON.	0
10	X	0	1	T

FZ X JW + X Z W



(P) T (10) 19, 19, 19, 10, 10, 1) or (8)

FO KIN TKE W