· Formas candinicas disjuntivas y conjuntivas:

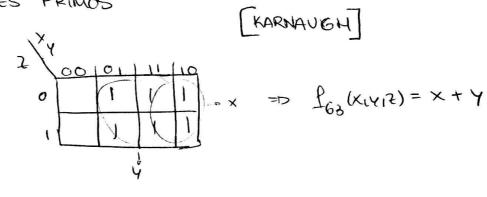
X	Y	7	f63 1	f82	flow 1	fuel	1120	fina	f172	£188	1/217	f231
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DISYUNTIVAS

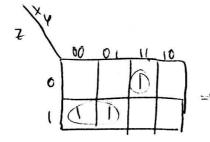
· CONJUNTIVAS

IMPLICANTES PRIMOS

163

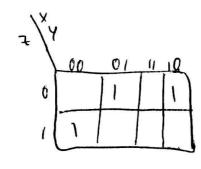


f 82:



=D = 185 (x1x15) = x.A.£ + x.F

Iny:



=104 (x,4,5)= X.4.£+ X.£.\$ + X.4.5

$$f_{143} = \frac{-111}{100} \frac{1-1}{1-0}$$

$$\frac{100}{100} \frac{1-0}{100}$$

$$\frac{100}{000} \frac{1-0}{100}$$

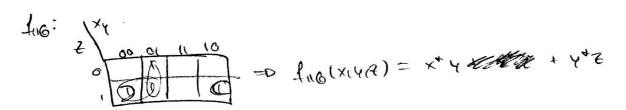
$$\frac{100}{000} \frac{1-0}{100}$$

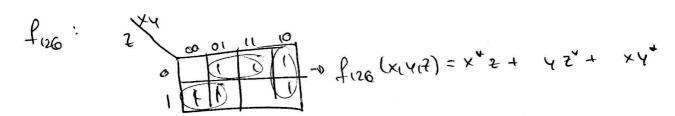
[CONSENSO]

[FCC]

· Formas no simplificables.

Halloremos aquellas a los que no se le
ha aplicado Karnangh:





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143:

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5	4,54	×	X					حل
						l		

13244= 0011 00 10 11 10 11 11 00 43944= 1010 10 11 10 10 10 00 62640= 11 11 01 00 10 11 00 00

· Formas camónicas disymtivas y conjuttivas.

Di SYUNTI VAS

$$\begin{split} & \int_{B} 2uy \left(X_{1} Y_{1} \xi_{1} t \right) = \underbrace{B_{4}}_{B_{4}} u_{2} + u_{3} + u_{6} + u_{7} + u_{8} + u_{10} + u_{11} + u_{12} + u_{13} = \\ & = X^{4} Y^{7} \xi^{7} + x^{4} Y^{7} \xi^{7} + x^{4} Y^{2} \xi^{7} + x^{$$

Inzayy = ωο + ωz + ωγ + ωο + ωz + ωο + ωο + ωο + ωο = = x²(*²(* + x²(² + * * γ² + * * γ² + * * γ² + * * γ² + * γ² + * γ² * τ² + * γ² * τ

162640 = wo+ w, + wz + wz + wz + wz + wz + wz + w; = = x*y*z*t* + x*y*z*t +

CONJUNTIVAS

1,8244 (x,4,12,7) = No M, My, My, Mq, My, M15 =
= (x + 4 + 2 + 7) (x + 4 + 2 + 7) (x + 4 + 2 + 7) (x + 4 + 2 + 7)

$$\int_{U_{3}Q_{4}U_{4}}(x_{1}U_{1}+it) = (ax_{2}U_{4}M_{1}M_{3}M_{4}M_{4}M_{4}M_{11}M_{13}M_{14}M_{15} =$$

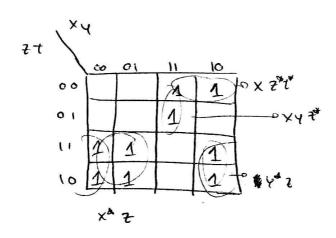
$$= (x + y + z + t)(x + y + z + t)(x + y + z + t)(x + y + z + t)$$

$$(x^{2} + y + z^{2} + t)(x^{2} + y^{2} + z + t^{2})(x^{2} + y^{2} + z^{2} + t^{2})$$

$$\int_{62640} (x_1 y_1 z_{1}) = Mu \cdot M_6 M_7 M_9 M_1 M_1 M_1 M_1 M_1 M_1 M_1 M_1 M_2 M_1 M_2 M_1 M_1 M_2 M_1 M_2 M_1 M_2 M_2 M_3 M_4 M_1 M_1 = (x + v_1^2 + z + v_1^2) $

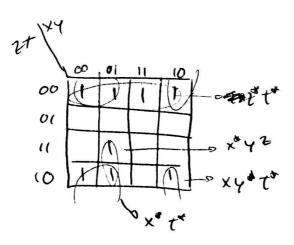
· Implicantes privuos:



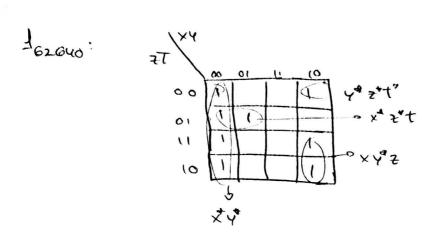


18, 18244 (X1417)= xxx + xxxxx + xxxxx + 4xxx.

Lyzquy €:



luzary (x, 4,2,1) = x*t* + 2*t* + x4+ + x4+

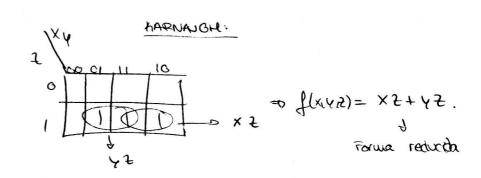


- Formas caudinicas disjuntivas feducidos.
 Calavladas en el aportado auterior.
- · Formas no simplificables. Se han hallado par Kornaugh.

J(X1,15)= (X / A) V 5 = (x + A). 5

XYZ	1 f
000	0
001	0
010	0
011	ı
100	0
101	1
110	0
111 6	l

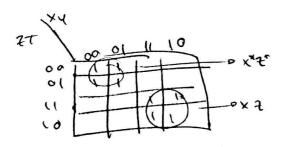
FORMA CANÓNICA:



PETRICH:

W3 1	45/ WZ		
V XF X			\$(x,4,5) = x ≥ + 4 ≥ (30 5 1 mm)
B/42/X/	1 × 1	=0	\$CN(4(c) - XE + 4c (12)
			forma no simplificable

- 2.18
- 2) A(x,y,z,t)= x yzt + xy*zt + xyzt*+ xy*zt* + xy*z*t* xy*z*t* xy*z*t* xy*z*t* = xz + xzt* + xzt* + xxy*z* + x*yz*t* = xz + x*z*
- 2) $f(x(y_1z) = w_15 + w_{11} + w_{14} + w_{10} + w_0 + w_{11} + w_{15}$ = $w_0 + w_1 + w_4 + w_5 + w_{10} + w_{11} + w_{14} + w_{15}$



		wo	w.	Mu	Ma	M'o	Mul	MN	WIT		
Δ	x t	X	X	X	×					V	flxuntil=XZ+XZ
B	Y O					X	X	×	X	V	Accept to the
	~ 1			+			1		† — —		

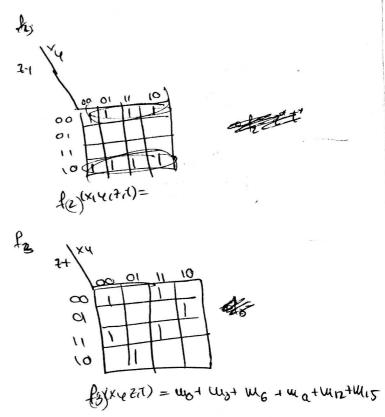
1(2) - withiplose 2.

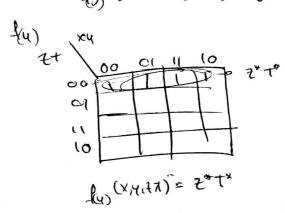
2.19

1(3) - withiplose 3.

1(4) - withiplose 4.

× YZTI	6	Pay	fre
0000	1	1	1
0001	0	0	0
0010	1	0	0
0011	0	1	0
0 100	1	0	1
0101	0	0	0
0110	١ ١	ſ	0
\circ \cdot \cdot \cdot	O	0	0
1000	1	0	1
1001	0	(0
1010	1	0	0
1011	0	0	0
1100	(١	1
101	0	0	0
(110	١	0	0
1 1 (1	0	100	0





si=1 No=0. (si, NO, sisil= {1,0114

Para aprobar salo puede diferir ma cifra con 1011:

₽(x,y,z,t)= xy*+ T + x*y*+ + xy*+ T + x*y*+ =

= #YTT+ xy+t + xy'z + xTT =

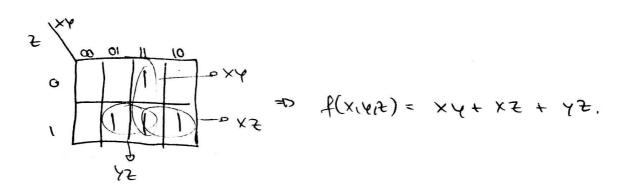
= Si f(x14177) = 1 oprobado si f(x14177) = 0 suspenso.



Si=1 NO=0

Mayorra: 2 o más votos.

f(x,4,2)= xyz + x*4z+ xy*z + xyz*



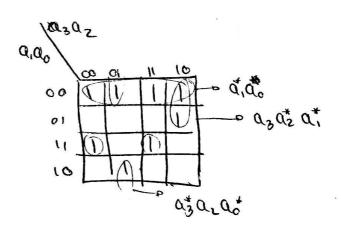
$$\int (x_1 y_1 + y_2) = (x + y_1) dy = \overline{(x_1 y_1 + y_2)} = (x_1 y_1 + y_2) = (x_1 y_1 + y_2) = (x_1 y_1 + y_2) = x_1 y_2 = (x_1 y_1 + y_2) = (x_1 y_1 + y_2) = x_1 y_2 = ($$

$$f(x^i \wedge^i f) = (x_* \wedge^i f)_* + x_i f_* =$$

$$= (x^{*}y)^{*} \cdot 2^{*} + x \cdot 2^{*} = (x + y^{*}) \cdot 2^{*} + x \cdot 2^{*} = x \cdot 2^{*} + y^{*} \cdot 2^{*} =$$

$$= (x^{*}y)^{*} \cdot 2^{*} + x \cdot 2^{*} = (x + y^{*}) \cdot 2^{*} + x^{*}y^{*} \cdot 2^{*} = w_{0} + w_{1} + w_{6}$$

			۸
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7	00	0 /	0
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11	10	(\	0
12	ι ,	0 0	1
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$$f(a_3 a_2 a_1 a_0) = a_3 a_2^* a_1^* + a_1^* a_0^* + a_3^* a_2^* a_1 a_0^*$$

$$+ a_3 a_2 a_1 a_0 + a_3^* a_2^* a_0^*$$

f(x,y,t)= x*v;tt + x'y tt+ x'y tt + xytt + xytt + xytt+ xytt + xytt + xytt + xytt+ xytt + xyt

[QUINE]

X	XYZT	- YET
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×	XY*2T	XYZ-
/	xy ZT'] /
X	x'y'z't	
У	*48t	x* y* 2'-
X	×vzt	x- 2*t'

=D f(x,y,z)= y=T+ x=T+xyz+ x*y*z*+ x*z*t*

[PETRICK]

		Wo	w.	wu	u in	u,	Wass	WIF	0	_
A	-XYZ						X	X	0.	
B	427				×			X		
C	XZT					X		X	V	-
D	x* 4.5x	X	×						~	-D
\in	X Y'E'	X		X						
		***				 	1	+	1	Ĺ

= I no se puede reducir mas, fes irredundante.