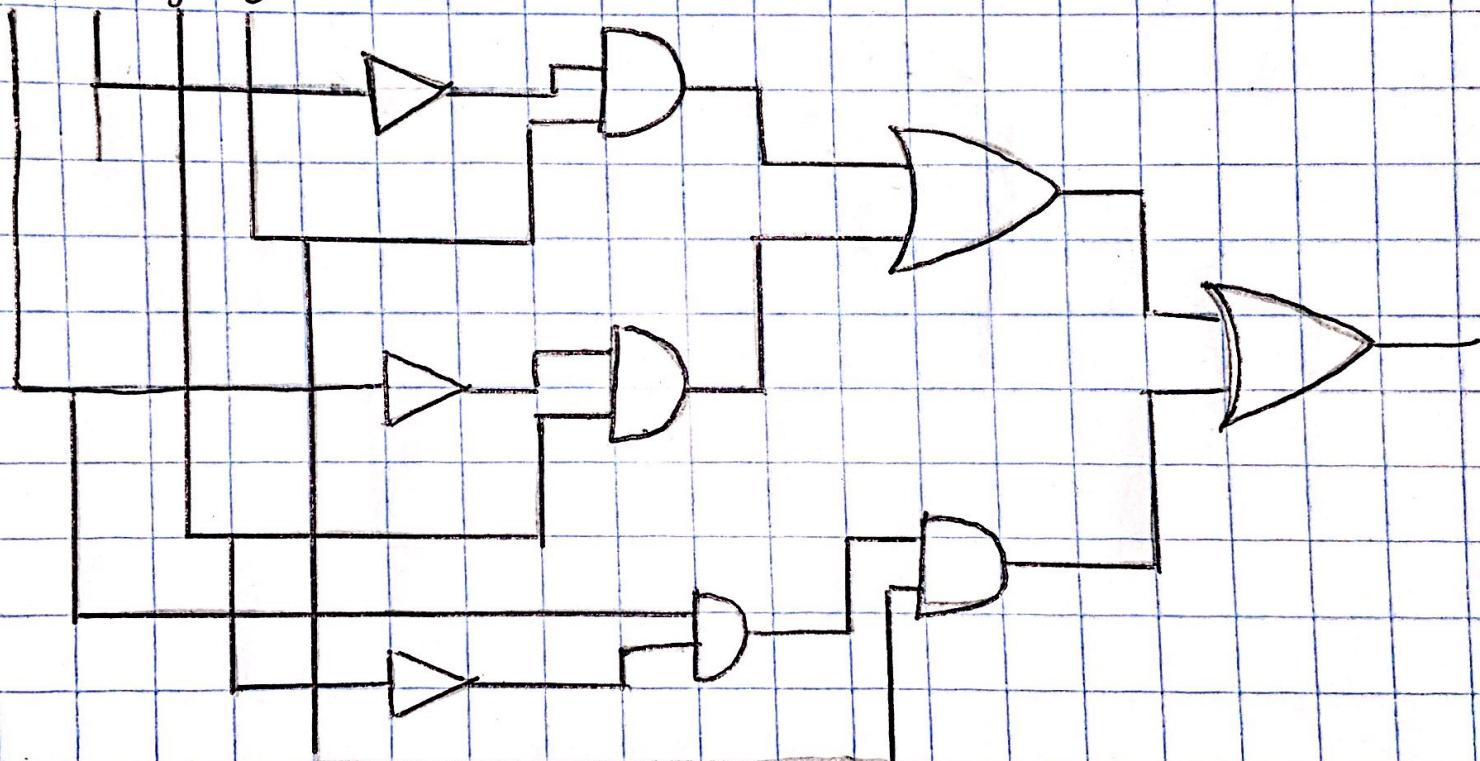


Segments A

AB	CD	wx/yz	00	01	11	10
0 0	0 0	wx	0	1	1	1
0 1	0 0	y	0	0	1	1
1 1	0 1	z	0	1	0	0
1 0	0 0		0	1	0	0

$$y = x'z + wy + w'y'z$$

w x y z



Segmento B

$wx/yz$	00	01	11	10
0 0	0	1	1	1
0 1	0	1	1	1
1 1	0	1	1	1
1 0	0	1	1	1

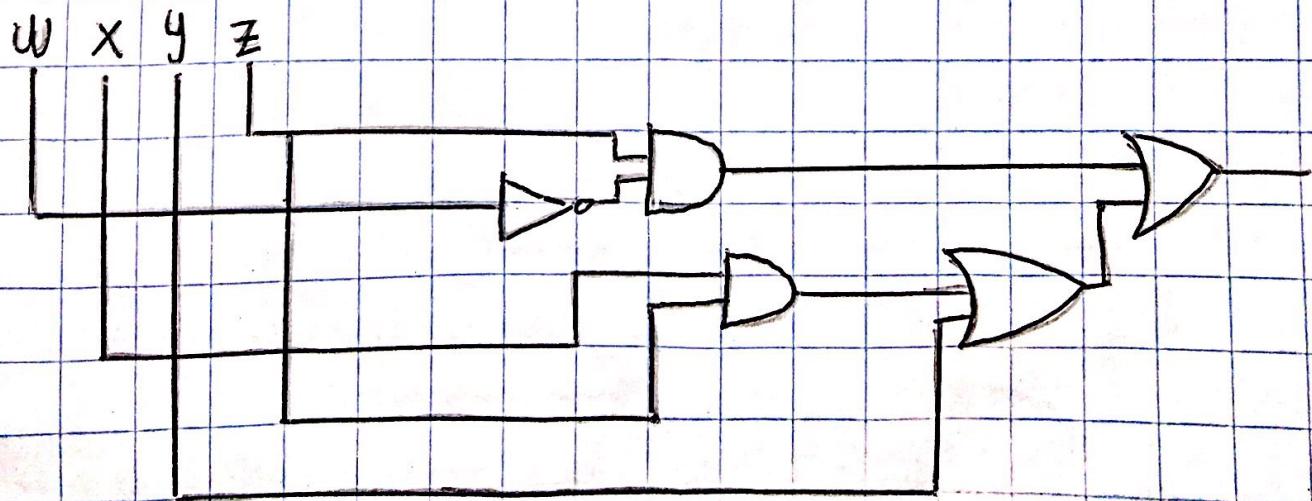
$$B = z + y$$



Segmento C

$wx/yz$	00	01	11	10
0 0	0	1	1	1
0 1	0	1	1	1
1 1	0	1	1	1
1 0	0	0	1	1

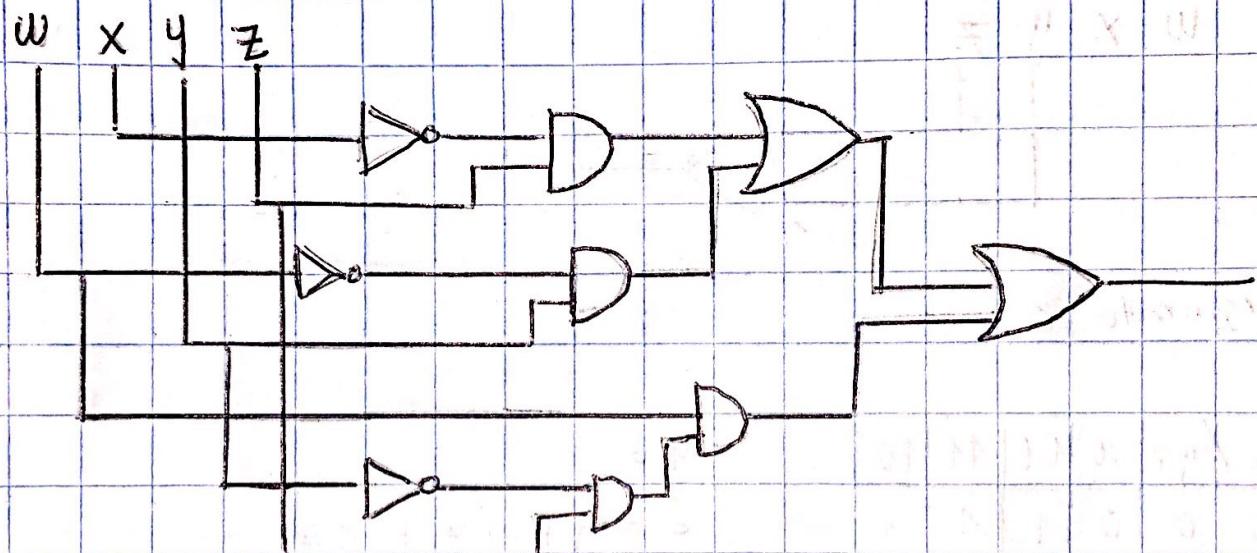
$$c = y + w'z + xz$$



Segmento D

$wx/yz$	00	01	11	10
0	0	1	1	1
0 1	0	0	1	1
1 1	0	1	0	0
1 0	0	1	1	0

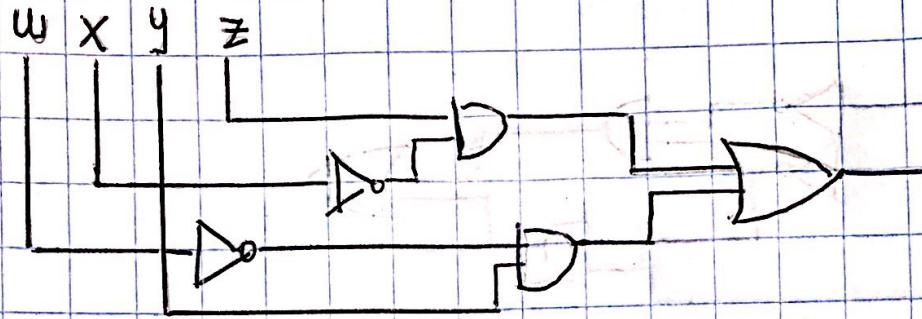
$$D = x'z + wy + w'y'z$$



Segmento E

$wx/yz$	00	01	11	10
0 0	0	1	1	1
0 1	0	0	1	1
1 1	0	0	0	0
1 0	0	1	1	0

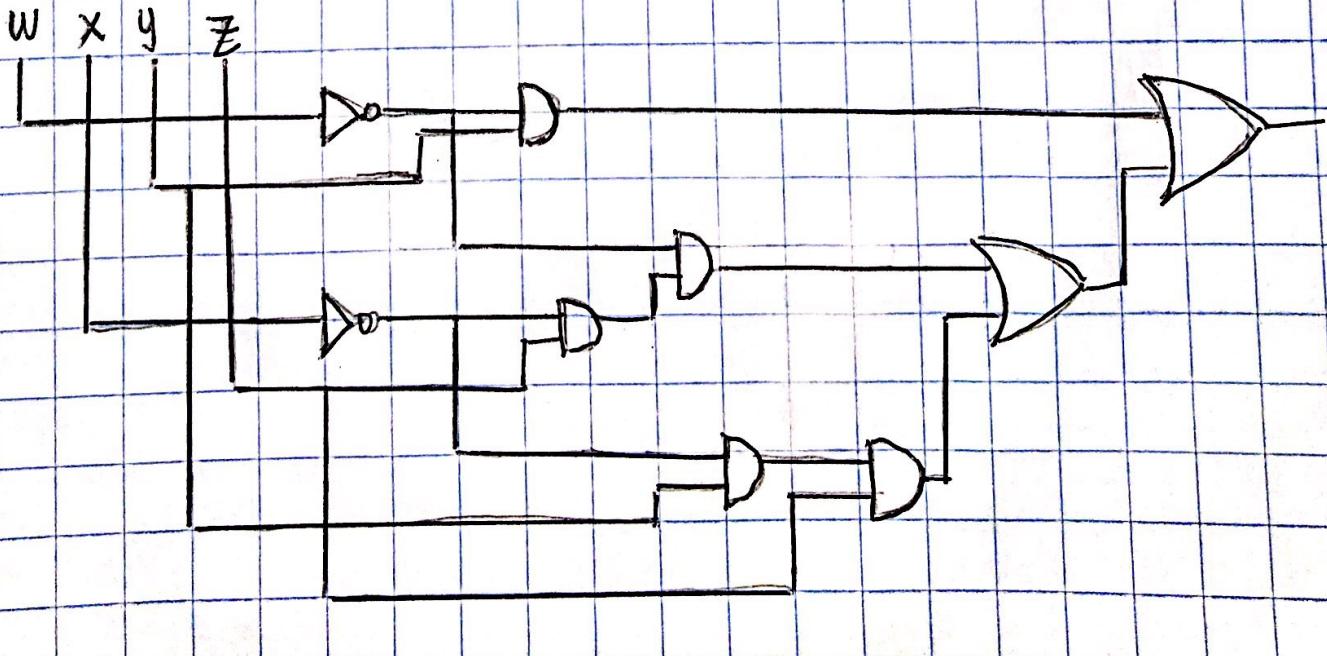
$$E = x'z + w'y$$



Segmento F

$wx/yz$	00	01	11	10
0 0	0	1	1	1
0 1	0	0	1	1
1 1	0	0	0	0
1 0	0	0	1	0

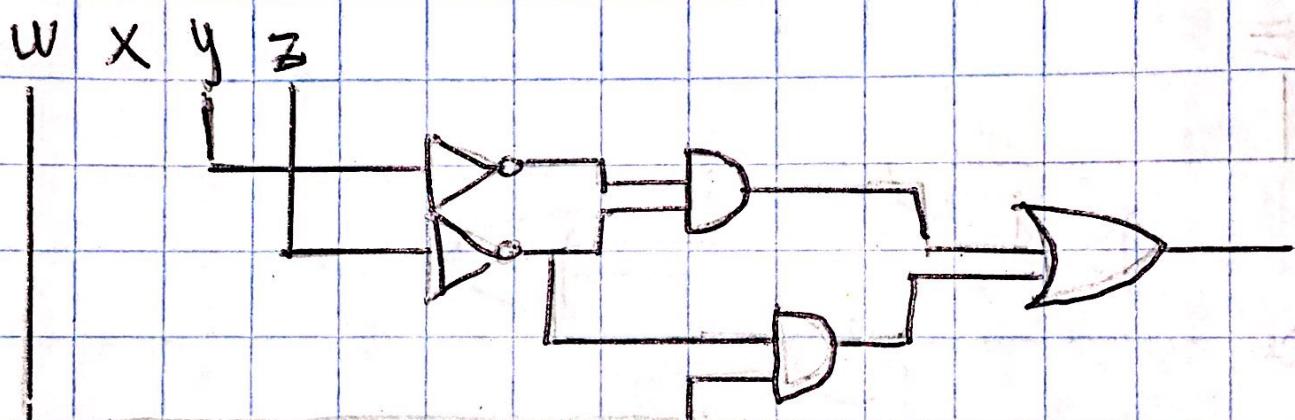
$$F = w'y + w'x'z + x'yz$$



Segments G

<u>wx/yz</u>	00	01	11	10
0	0	1	0	0
0	1	1	0	0
1	1	1	1	0
1	0	1	1	0

$$G = \bar{y}'\bar{z}' + w\bar{y}'$$







f(c)

ps \$1,19000 - 01

w x y z m1	1 0 0 0 0 1	1 0 0 1 0 0 - 0 1 1
0 0 0 0 1 1	2 0 0 0 1 1	1 0 0 1 0 0 - 0 1 1
0 0 0 1 1 1	3 0 0 1 0 1 1	1 0 0 1 0 0 - 0 1 1
0 0 1 0 1 1	4 0 1 0 0 1 1	1 0 0 1 0 0 - 0 1 1
0 0 1 1 1 1	5 0 0 1 1 1 1	1 0 0 1 0 0 - 0 1 1
0 1 0 0 1 1	6 1 0 0 1 1 1	1 0 0 1 0 0 - 0 1 1
1 0 0 1 1 1	7 1 0 1 0 1 1	1 0 0 1 0 0 - 0 1 1
1 0 1 0 1 1	8 1 1 0 0 1 1	1 0 0 1 0 0 - 0 1 1
1 0 1 1 1 1	9 1 0 1 1 1 1	1 0 0 1 0 0 - 0 1 1
1 1 0 0 1 1	10 1 0 1 1 1	1 0 0 1 0 0 - 0 1 1
1 1 0 1 1 1	11 1 1 0 1 1	1 0 0 1 0 0 - 0 1 1
1 1 1 0 1 1	12 1 1 1 1 1	1 0 0 1 0 0 - 0 1 1
1 1 1 1 1 1	13 1 1 1 1 1 1	1 0 0 1 0 0 - 0 1 1

P<sub>1</sub> {2, 5, 6, 9} - 0 - 1 1 1

P<sub>2</sub> {3, 7, 8, 9} - 0 1 - 1 1

P<sub>3</sub> {6, 10, 9, 12} + - 1 1 1 1

P<sub>4</sub> {8, 10, 11, 2} | 1 - 1 1

x x x x < x x x x x x x x / p. esenciales  
 1 2 3 4 5 6 7 8 9 10 11 12 13

p<sub>1</sub> x x x x > x y p. no esenciales

p<sub>2</sub> x x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

p<sub>3</sub> x x x x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

p<sub>4</sub> y y x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

p<sub>5</sub> x x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

p<sub>6</sub> x x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

p<sub>7</sub> x x x x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

p<sub>8</sub> x x x x x x x p<sub>2</sub>, p<sub>3</sub>, p<sub>4</sub>

$$f(c) = w'x'z'm1 + x'y'm1 + x'z'm1$$

$$w'y'z'm1$$

$f(D)$

000011	000011	<del>000011</del>	P <sub>3</sub> 21,27 600-11
000111	000111	<del>000111</del>	P <sub>4</sub> 21,63-0011
001011	001011	<del>001011</del>	P <sub>5</sub> 33,70+1011
011011	100011	<del>100011</del>	P <sub>6</sub> 3,23-01011
011111	011011	<del>011011</del>	P <sub>7</sub> 14-0111
100011	100111	<del>100111</del>	P <sub>8</sub> 5,13,011-111
100111	101011	<del>101011</del>	P <sub>9</sub> 6,44,10-111
101011	011111	<del>011111</del>	P <sub>10</sub> 7,93,101-111
101111	101111	<del>101111</del>	P <sub>11</sub> 8,104-11111
111111	011111	<del>011111</del>	P <sub>12</sub> 9,104-11111

P<sub>1</sub> 21,3,4,73-0-0111

P<sub>2</sub> 94,7,6,4310-11

	X	X	X	X	X	X	X
	1	2	3	4	5	6	7
	X	X	X	X	X	X	X
	2	3	4	5	6	7	8
	9	10					

P<sub>1</sub> X X X X P. No esenciales

P<sub>2</sub> X X X X P<sub>1</sub>, P<sub>4</sub>, P<sub>7</sub>

P<sub>3</sub> X X P. 10

P<sub>4</sub> X X X X

P<sub>5</sub> X X X X

P<sub>6</sub> X X X X X X

P<sub>7</sub> X X X X X Y

P<sub>8</sub> Y X Y X X X

P<sub>9</sub> X X Y X X X

P<sub>10</sub> X X X X Y Y

$$f(D) = x'z'm_1 + x'y'z'm_1 + w'xy'm_1 + w'yz'm_1 - 4$$

$$\begin{aligned} & x'z'm_1 + x'y'z'm_1 + w'xy'm_1 + w'yz'm_1 \\ & \quad + w'xz'm_1 + w'xy'z'm_1 + w'yz'x'm_1 + w'xy'z'm_1 \end{aligned}$$

$f(E)$

0000111	1	0000111	P <sub>1</sub> 5,13 000-11
0001111	2	0001111	P <sub>2</sub> 13,9 00-0111
0010111	3	0010111	P <sub>3</sub> 01,49 + 000111
0100111	4	1001011	P <sub>4</sub> 3,79 - 1011
0111111	5	0110111	P <sub>5</sub> 5,69 011-11
1000111	6	0111111	

~~1 2 3 u 5 6~~

p. esenciales

P<sub>1</sub> X X

P<sub>1</sub>, P<sub>3</sub>, P<sub>5</sub>

P<sub>2</sub> X X

P. no esenciales

P<sub>4</sub> X X

P<sub>2</sub>

P<sub>5</sub> X X

$$f(E) = w'x'y'm_1 + x'y'z'm_1 + w'xy'm_1 + w'x'z'm_1$$

$f(F)$

0000111	1	0000111	P <sub>2</sub> 5,13 000-11
0001111	2	0001111	P <sub>3</sub> 13,9 00-0111
0010111	3	0010111	P <sub>1</sub> 5,13 11-11
1100111	4	1100111	9,18 11-0111
1101111	5	1101111	5,33 11-11
1110111	6	1110111	6,29 11-11
1111111	7	1111111	

p. esenciales

P<sub>1</sub> 9,18,33 11-11

P<sub>1</sub>, P<sub>3</sub>, P<sub>5</sub>

~~1 2 3 u 5 6 7~~

~~1 2 3 u 5 6 7~~

P<sub>1</sub>

X X X X

$$f(F) = w'x'm_1 + w'x'y'm_1 + w'x'z'm_1$$

P<sub>2</sub> X X

P<sub>3</sub> X X

663

$$\begin{array}{r} 962,0,831-0=11 \\ 951,2,223,10=11 \end{array}$$

15.3.2.23 10--11

$\text{R}^3 \ni (x_1, x_2, x_3) \mapsto x_1 + x_2 + x_3$

Par analogie :  $\lim_{n \rightarrow +\infty} f_n(x) = f(x)$

~~1 2 3 4 5 6 7 8 9 10~~

## p. esenciales

P<sub>i</sub> X X X X X

$P_3, P_2, \Omega$

Pt	X	X	X			X
----	---	---	---	--	--	---

D. No esencial

173

114 X X X X X

$$f(g) = w y^m + w x^m + \cancel{y^m}$$

4

~~FCAS~~

8.  $\{3, 4, 6, 10\} - 1 = 0 \setminus 0$

On 11.7.10, 113 - 11-10

~~Drafts~~, 8, 10, 11<sup>4</sup> | -1-10

Feb 6, 9, 10, 11 '17 11-10

x	x	x	x	x	x	x	x	x	x	x
1	2	3	4	5	6	7	8	9	10	11

## Pesencias

$P_1$  | X X X X

$P_3, P_2, P_5$

$O_2$  | X X X X X

p. No esenciales

$p_3$  | X X X X

P<sub>4</sub> X X X X

P. 1

P<sub>4</sub> X X

P<sub>G</sub> X X

93 | | | | | | | | X | X

$$f(A) = w_1 y m_1' + x y m_1' + w_2 x y m_1' + x z m_1' + w x m_1'$$

1	00000101	1	00001010	<del>10000101</del>
2	00001010	2	00010101	<del>10000101</del>
3	00010101	3	00101010	<del>10000101</del>
4	00101010	4	01000100	<del>10000101</del>
5	01000100	5	10000100	<del>10000101</del>
6	01000100	6	00110010	<del>10000101</del>
7	00110010	7	01100100	<del>10000101</del>
8	01100100	8	10000100	<del>10000101</del>
9	10000100	9	01100100	<del>10000101</del>
10	10000100	10	11100100	<del>10000101</del>
11	11100100	11	11110010	<del>10000101</del>

P4512,3,6 <sup>B</sup>	00--10	<del>52,62-11010</del>
P4513,4,7 <sup>P</sup>	0+-010	<del>49,13-11110</del>
P3615,2,13	-00-10	<del>810,13-11+10</del>
P45710,9,11 <sup>Y</sup>	-11-10	
P3969,3,13	0-1-10	

$$f(B) = x_1 y_1 m_1' + x_1' y_1' m_1' + w_1 z_1 m_1' + w_1' x_1' m_1'$$

$$f(C) = x'y'm'l' + x'y'm'l + wxm'l' + wxyml'$$

00000101	000002	000000-10
00011101	000110	000000-010
00101010	001000	000000-0010
00111101	010000	000000-0010
01001010	010001	000000-110
01111101	10101010	000000-01010
10000101	11110010	000000-10
10011101	0001110	000000-1010
10101010	01101010	000000-10
10111101	0011110	000000-010
11000101	1011110	000000-0010
11011101	1110110	000000-110
11101010	1111010	000000-0110
11111101	1111110	000000-10
		000000-1010
		000000-1010

P1 {1, 2, 3, 8} 00--10

000000-0010

P2 {1, 4, 2, 3} -00-10

000000-010

P3 {3, 4, 8, 11} -01-10

000000-1110

P4 {3, 9, 3, 10} 0-1-10

000000-0110

P5 {9, 13, 10, 14} -11-10

000000-11-10

P6 {7, 13, 12, 14} 11--10

000000-11010

P7 {4, 7, 5, 12} 1-0-10

000000-11110

P8 {4, 6, 5, 11} 10--10

000000-11110

P9 {6, 13, 7, 12} 1--010

000000-11-110

P10 {11, 14, 8, 10} --1110

000000-111-10

1 2 3 4 5 6 7 8 9 10 11 12 13 14

P1	x	x	x		x								
P2	x	x	x	x	x	x	x	x	x	x	x	x	x
P3		x		x	x	x	x	x	x	x	x	x	x
P4		x			x	x	x	x	x	x	x	x	x
P5					x	x	x	x	x	x	x	x	x
P6					x	x	x	x	x	x	x	x	x
P7		x	x	x	x	x	x	x	x	x	x	x	x
P8		x	x	x	x	x	x	x	x	x	x	x	x
P9		x	x	x	x	x	x	x	x	x	x	x	x
P10				x	x	x	x	x	x	x	x	x	x

P. No esenciales

P2, P3, P4, P5

$f(D)$

21,24 000-10

0 0 0 0 1 0 -	1 0 0 0 0 1 0	p <sub>1</sub> , p <sub>2</sub> , p <sub>3</sub> b + 0 0 0 1 0
0 0 0 1 1 0 -	1 0 0 0 1 1 0	p <sub>2</sub> , p <sub>3</sub> b 1 - 0 1 0
0 1 0 0 1 0 -	1 0 1 0 0 1 0	p <sub>3</sub> , p <sub>4</sub> b 1 - 1 0 0 1 0
0 1 1 0 1 0 -	1 0 1 1 0 1 0	p <sub>4</sub> , p <sub>5</sub> , p <sub>6</sub> b 1 - 1 0
0 1 1 1 1 0 -	1 0 1 1 1 1 0	p <sub>5</sub> , p <sub>6</sub> , p <sub>7</sub> , p <sub>8</sub> b 1 - 1 0
1 0 1 1 1 0 -	x 0 1 1 1 1 0	
1 1 0 0 1 0 -	0 1 0 1 1 1 0	P. esenciales p <sub>1</sub> , p <sub>2</sub> , p <sub>3</sub>
1 1 0 1 1 0 -	0 1 1 0 1 1 0	P. No esenciales

1 2 3 4 5 6 7 8 9

p<sub>1</sub> | X X

p<sub>2</sub> | X | X

p<sub>3</sub> | X | X

p<sub>4</sub> | X |

p<sub>5</sub> | X | X | X | X | X | X | X | X

p<sub>6</sub> | X | X | X | X | X | X | X | X

p<sub>7</sub> | X | X | X | X | X | X | X | X

p<sub>8</sub> | X | X | X | X | X | X | X | X

f(E)

$$f(D) = wxy'ml' + wx'yml' +$$

$$wx'yml' + w'xy'ml' + w'y'z'ml'$$

0 0 0 0 1 0 -

0 0 0 0 1 0 -

0 0 0 1 1 0 -

0 1 0 0 1 0 -

1 1 0 0 1 0 -

1 1 0 1 1 0 -

1 2 3 4 5

p. esenciales

p<sub>1</sub> | X X

p<sub>2</sub> | X | X

p<sub>3</sub> | X | X

$$f(E) = wx'y'ml' + w'y'z'ml' + wx'y'ml'$$

E(F)

00000101	000010	1124 000-10
000110	000110	1135 -00010
1000101	1000101	1145 -0010
1001101	1001101	1155 100-10
1010101	1010101	1165 10-010
1011101	1011101	1175 11-0010
1100101	1100101	1185 10-110
1101101	1101101	1195 11-0110
1110101	1110101	11A5 101-10
P{1,2,3,4}-00-10		
P{3,5,6,7} 10-10		
P{3,6,4,8} 1-0-10		

P{1,2,3,4}-00-10

P{3,5,6,7} 10-10

P{3,6,4,8} 1-0-10

~~1 2 3 4 5 6 7 8~~

P. esenciales

P<sub>1</sub> X X X X

P<sub>1</sub>, P<sub>2</sub>, P<sub>3</sub>

P<sub>2</sub> X X X X X X

P. No esenciales

P<sub>3</sub> X X X X X X

$$f(f) = x'y'ml' + wx'ml' + wx'ml'$$

F(G)

~~010010101010010  
011010-1100010  
01111010010010  
1000010110010010  
100110101010010  
101010101010010  
101110-1010010010  
1100010-1010010010  
110110101010010~~

~~010101-01010  
011010-10010  
011110-01010  
1000010101010  
10011010101010  
10101010101010  
101110-10101010  
1100010-10101010  
11011010101010~~

~~010101010101010~~

~~010101010101010~~

P. Esenciales

P<sub>1</sub>, P<sub>2</sub>, P<sub>5</sub>

P. No esenciales

~~K X X X 5 6 7 8 9~~

P<sub>1</sub> X X X X

P<sub>2</sub> X X X X

P<sub>3</sub> X X

P<sub>4</sub> X X

P<sub>5</sub> X X

P<sub>6</sub>

$$f(G) = w_x'm_1' + w_y'm_1' + \underline{w_z'xym_1'} + w_z'xzm_1'$$

## Formulas simplificadas de los cocientes

### Tabla 1

$$F(A) = n/a$$

$$F(B) = w'm'l' + x'y'm'l' + yzm'l' + xz'm'l'$$

$$F(C) = w'm'l' + x'y'm'l' + yzm'l' + xz'm'l'$$

$$F(D) = w'm'l' + x'y'm'l' + yzm'l' + xz'm'l'$$

$$F(E) = w'm'l' + x'y'm'l' + yzm'l' + xz'm'l'$$

$$F(F) = n/a$$

$$F(G) = w'm'l' + x'y'm'l' + yzm'l' + xz'm'l'$$

### Tabla 2

$$F(A) = x'z'm'l + w'ym'l + w'ym'l + xyzm'l$$

$$F(B) = x'm'l + y'z'm'l + wy'm'l + wz'm'l + w'yzm'l$$

$$F(C) = x'zm'l + xym'l + wx'm'l + wz'm'l + w'y'z'm'l$$

$$F(D) = x'z'm'l + w'x'ym'l + w'yz'm'l + wy'z'm'l + wxzm'l$$

$$F(E) = x'z'm'l + w'yz'm'l + wy'z'm'l$$

$$F(F) = w'y'z'm'l + w'xz'm'l + wx'y'm'l + wx'z'm'l + wxym'l$$

$$F(G) = xz'm'l + wy'm'l + wxm'l + w'x'ym'l$$