1)

f(a, b, c, d,) = SoP (m(2, 3, 5, 6, 7, 9, 11, 13, 14, 15))

GRUPOS
1 bit
2 - 0010
2 bits
3 - 0011
5 - 0101
6 - 0110
9 - 1001
3 bits
7 – 0111
13 – 1101
14 – 1110
4 bits
15 - 1111

GRUPO DE 2 TERMOS
(2, 3) = 001_ A
(3, 7) = 0_11 B
(5, 7) = 01_1 C
(5, 13) = _101 D
(6, 7) = 011_ E
(9, 13) = 1_01 F
(7, 15) = _111 G
(13, 15) = 11_1 H
(14 ,15) = 111_ I
GRUPOS DE 4 TERMOS
$(2, 3, 6, 7) = 0_1_$ J
(5, 7, 13, 15) = _1_1 K
<del>(5, 13, 7, 15) = _1_1</del>
(6, 7, 14, 15) = _11_ L

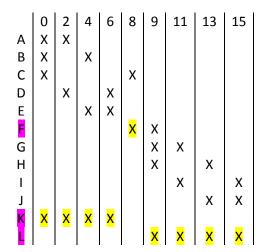
	2	3	5	6	7	9	13	14	15
Α	Χ	Χ							
В		Χ			Χ				
С			Χ		Χ				
B C D E F			Χ				Χ		
Ε				Χ	Χ				
F						X	X		
					Χ				Χ
Н							Χ		Χ
ı								Χ	Χ
J	X	X		Χ	Χ				
K			X		Χ		Χ		X
I				X	X			X	Χ

f = F + J + K + L = ac'd + a'c + bd + bc

f(a, b, c, d,) = SoP(m(0, 2, 4, 6, 8, 9, 11, 13, 15))

GRUPOS
0 bit
0 - 0000
1 bit
2 - 0010
4 - 0100
8 - 1000
2 bits
6 - 0110
9 - 1001
3 bits
11 - 1011
13 - 1101
4 bits
15 - 1111

GRUPO DE 2 TERMOS
(0, 2) = 00 0 A
$(0, 4) = 0_0 $ B
(0, 8) = 01_1 C
(2, 6) = 0 10 D
(4, 6) = 01_0 E
(8, 9) = 100_ F
(9, 11) = 10_1 G
(9, 13) = 1_01 H
ا 11_1 = (15, 11)
(13 ,15) = 11_1 J
GRUPOS DE 4 TERMOS
(0, 2, 4, 6) = 00 K
(9, 11, 13, 15) = 11 L
<del>(9, 13, 11, 15) = 11</del>



f = F + K + L = ab'c' + a'd' + ad

3)

de de de de abc 010 1 

F = PoS (M(2, 4, 6, 10, 11, 12, 14))

GRUPOS
2 bits
11 - 01011
14 - 01110
3 bits
6 – 00100
10 - 01010
12 - 01100
4 bits
2 – 00010
4 - 00100

GRUPO DE 2 TERMOS
(11, 10) = 0101_ A
(14, 6) = 0_110 B
(14, 10) = 01_10 C
(14, 12) = 011_0 D
(6, 2) = 00_10 E
(6, 4) = 001_0 F
GRUPOS DE 4 TERMOS
(14, 10, 6, 2) = 010 G
(14, 12, 6, 4) = 0_1_0 H

	2	4	6	10	11	12	14
Α				X	X		
В			Χ				Χ
С				Χ			Χ
D						Χ	Χ
E	X		Χ				
F		Χ	Χ				
G	Χ		Χ	Χ			Χ
Н		X	X			X	X

F = ABH = A+B'+C+D'. A+C'+D'+E . A+C'+E

F = PoS (M(16, 22, 24, 25, 26, 27, 30))

GRUPOS
27 - 11011
30 - 11110
2 bits
22 - 10110
25 - 11001
26 - 11010
3 bits
24 - 11000
4 bits
16 – 00010 A

	11	16	22	24	25	26	27	30
Α		X						
В					Χ		Χ	
С								
D			X					X
Ε						Χ		Χ
F	Χ				Χ			
G	Χ					Χ		
Н	X				X	X	X	

F = ADH = A' + B + C + D + E. A' + C' + D' + E. A' + B' + C