Guia 0604	
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a) F (a,b,c,d) = π M (2, 5, 7, 13)

#	a	b	c	d	s
0	0	0	0	0	1
1	0	0	0	1	1
2	0	0	1	0	0
3	0	0	1	1	1
4	0	1	0	0	1
5	0	1	0	1	0
6	0	1	1	0	1
7	0	1	1	1	0
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	1
13	1	1	0	1	0
14	1	1	1	0	1
15	1	1	1	1	1

Mapa Veitch-Karnaugh				
ab/cd	C'D'	C'D	CD	CD'
A'B'	0	1	3	2
A'B'	4	5	7	6
AB	12	13	15	14
AB'	8	9	11	10

ab/cd	00	01	11	10
00	1	1	1	0
01	1	0	0	1
11	1	0	1	1
10	1	1	1	1
Conjuntos	(5,7),(5,13),(2)			
Fun. Simplificada	PoS:	a+b'+d' . b'+c+d' . a+b+c'+d		

b) F (a,b,c,d) = π M (4, 8, 9, 12, 15)

#	a	b	c	d	s
0	0	0	0	0	1
1	0	0	0	1	1
2	0	0	1	0	1
3	0	0	1	1	1
4	0	1	0	0	0
5	0	1	0	1	1
6	0	1	1	0	1
7	0	1	1	1	1
8	1	0	0	0	0
9	1	0	0	1	0
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	0
13	1	1	0	1	1
14	1	1	1	0	1
15	1	1	1	1	0

Mapa Veitch-Karnaugh				
ab/cd	C'D'	C'D	CD	CD'
A'B'	0	1	3	2
A'B'	4	5	7	6
AB	12	13	15	14
AB'	8	9	11	10

ab/cd	00	01	11	10
00	1	1	1	1
01	0	1	1	1
11	0	1	0	1
10	0	0	1	1
Conjuntos	(4,12),(8,9),(15)			
Fun. Simplificada	PoS:	b'+c+d . a'+b+c . a'+b'+c'+d'		

c) F (a,b,c,d) = π M (4, 8, 11, 13, 15)

#	a	b	c	d	s
0	0	0	0	0	1
1	0	0	0	1	1
2	0	0	1	0	1
3	0	0	1	1	1
4	0	1	0	0	0
5	0	1	0	1	1
6	0	1	1	0	1
7	0	1	1	1	1
8	1	0	0	0	0
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	0
12	1	1	0	0	1
13	1	1	0	1	0
14	1	1	1	0	1
15	1	1	1	1	0

Mapa Veitch-Karnaugh				
ab/cd	C'D'	C'D	CD	CD'
A'B'	0	1	3	2
A'B'	4	5	7	6
AB	12	13	15	14
AB'	8	9	11	10

ab/cd	00	01	11	10
00	1	1	1	1
01	0	1	1	1
11	1	0	0	1
10	0	1	0	1
Conjuntos	(11,15),(13,15),(4),(8)			
Fun. Simplificada	PoS:	a'+c'+d' . a'+b'+d' . a+b'+c+d . a'+b+c+d		

d) F (a,b,c,d) = π M (1, 3, 5, 13, 14, 15)

#	a	b	c	d	s
0	0	0	0	0	1
1	0	0	0	1	0
2	0	0	1	0	1
3	0	0	1	1	0
4	0	1	0	0	1
5	0	1	0	1	0
6	0	1	1	0	1
7	0	1	1	1	1
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	1
13	1	1	0	1	0
14	1	1	1	0	0
15	1	1	1	1	0

Mapa Veitch-Karnaugh				
ab/cd	C'D'	C'D	CD	CD'
A'B'	0	1	3	2
A'B'	4	5	7	6
AB	12	13	15	14
AB'	8	9	11	10

ab/cd	00	01	11	10
00	1	0	0	1
01	1	0	1	1
11	1	0	0	0
10	1	1	1	1
Conjuntos	(1,3),(5,13),(14,15)			
Fun. Simplificada	PoS:	a+b+d' . b'+c+d' . a'+b'+c'		

e) F (a,b,c,d) = π M (3, 5, 6, 7, 13, 14)

#	a	b	c	d	s
0	0	0	0	0	1
1	0	0	0	1	1
2	0	0	1	0	1
3	0	0	1	1	0
4	0	1	0	0	1
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	0
8	1	0	0	0	1
9	1	0	0	1	1
10	1	0	1	0	1
11	1	0	1	1	1
12	1	1	0	0	1
13	1	1	0	1	0
14	1	1	1	0	0
15	1	1	1	1	1

Mapa Veitch-Karnaugh				
ab/cd	C'D'	C'D	CD	CD'
A'B'	0	1	3	2
A'B'	4	5	7	6
AB	12	13	15	14
AB'	8	9	11	10

ab/cd	00	01	11	10
00	1	1	0	1
01	1	0	0	0
11	1	0	1	0
10	1	1	1	1
Conjuntos	(3,7),(5,13),(6,14)			
Fun. Simplificada	PoS:	a+c'+d' . b'+c+d' . b'+c'+d		