

E1

CD \ AB

$$F = \bar{A}\bar{B}\bar{C} + B\bar{C}D + \bar{A}\bar{B} + ABC + \bar{A}C\bar{D}$$

	00	01	11	10
00	0	1	0	1
01	0	1	1	1
11	0	0	1	1
10	1	1	1	1

AB \ CD	00	01	10	11
00	0	1	0	1
01	0	1	1	1
10	1	1	1	1
11	0	0	1	1

E2

CD \ AB

$$F = \bar{A}\bar{C}\bar{D} + \bar{A}B\bar{C} + A\bar{C}\bar{D} + \bar{A}\bar{B} + ABC + B\bar{C}\bar{D}$$

	00	01	11	10
00	1	1	1	1
01	0	1	0	1
11	0	0	1	1
10	0	1	1	1

AB \ CD	00	01	10	11
00	1	1	1	1
01	0	1	0	1
10	0	0	1	1
11	0	1	1	1

F3

$f = \overline{B}\overline{C}\overline{D} + A\overline{C}\overline{D} + A\overline{B}\overline{C} + A\overline{C}D + BCD + \overline{A}BD + \overline{A}C$

E4

cd \ AD	00	01	11	10					
00	1	1	0	1	ABCD	ABCD	ABCD	ABCD	ABCD
01	1	0	1	1	1000	1010	0111	0100	0000
11	1	1	0	0	1001	0010	0011	0000	0001
10	1	0	0	1	$\overline{A}\overline{B}\overline{C}x$	$\overline{B}\overline{C}\overline{D}$	$\overline{A}\times\overline{C}\overline{D}$	$\overline{A}\times\overline{C}\overline{D}$	0011 0010 $\overline{A}\overline{D}\times\times$

55

CD \ AB

$f = \overline{A}BCD + A\overline{B}C\overline{D} + B\overline{C}D + B\overline{C}\overline{D} + \overline{A}BC\overline{D}$

	00	01	11	10					
00	1	0	1	1	ABCD	ABCD	ABCD	ABCD	ABCD
01	0	1	1	0	1000	1100	1101	1110	0011
11	1	0	0	1	0000	1101	0101	0110	0010
10	1	1	1	0	$\overline{B}C\overline{D}$	ABC	$\overline{B}C\overline{D}$	$\overline{B}C\overline{D}$	ABC

LE 6

$f = \bar{B}\bar{C}\bar{D} + A\bar{C}\bar{D} + B\bar{C}D + \bar{D}CD + \bar{A}\bar{B}C + BCD$

CD \ AB	00	01	11	10						
00	1	0	1	1	$\bar{A}\bar{B}\bar{C}\bar{D}$	$\bar{A}\bar{B}C\bar{D}$	$\bar{A}B\bar{C}\bar{D}$	$\bar{A}BC\bar{D}$	$\bar{A}\bar{B}CD$	$\bar{A}BCD$
01	0	1	1	0	$1000$	$1000$	$1101$	$1011$	$0011$	$1100$
11	1	0	0	1	$0000$	$1100$	$0101$	$0011$	$0010$	$0110$
10	1	1	1	0	$\bar{B}\bar{C}\bar{D}$	$A\bar{C}\bar{D}$	$B\bar{C}\bar{D}$	$\bar{B}CD$	$\bar{A}\bar{B}CD$	$BC\bar{D}$

EZ  
de/Ab

$$F = \bar{A}\bar{B}\bar{C} + \bar{A}B + B\bar{C}D + A\bar{B}C + \bar{B}\bar{C}\bar{D}$$

de	00	01	11	10	
00	1	1	0	1	ABCD
01	1	1	1	0	ABCD
11	1	1	0	1	ABCD
10	0	1	0	1	ABCD

91101  
11000

A	B	C	D
0	0	0	0
0	0	0	1
0	0	1	0
0	0	1	1
0	1	0	0
0	1	0	1
0	1	1	0
0	1	1	1
1	0	0	0
1	0	0	1
1	0	1	0
1	0	1	1
1	1	0	0
1	1	0	1
1	1	1	0
1	1	1	1

E1	E2	E3	E4	E5	E6	E7	NUMERO
0	1	1	1	1	1	1	0
0	0	0	0	1	0	0	1
1	0	1	1	1	1	1	2
1	0	1	1	0	0	1	3
1	1	0	1	0	0	1	4
1	1	1	0	0	1	1	5
1	1	1	0	1	1	1	6
0	0	1	1	0	0	1	7
1	1	1	1	1	1	1	8
1	1	1	1	0	0	0	9
1	1	1	1	1	1	0	A
1	1	0	0	1	1	1	B
0	1	1	0	1	1	0	C
1	0	0	1	1	1	1	D
1	1	1	0	1	1	0	E
1	1	1	0	1	0	0	F

