

# \* Mapa grafo

A	B	C	D	X	Y	Z	W
0	0	0	0	0	0	0	1
0	0	0	1	0	1	0	0
0	0	1	0	0	0	1	1
0	0	1	1	0	1	0	0
0	1	0	0	0	1	0	1
0	1	0	1	1	1	0	1
0	1	1	0	1	0	0	0
0	1	1	1	1	0	0	0
1	0	0	0	1	0	0	1
1	0	0	1	1	1	1	0
1	0	1	0	1	0	1	1
1	0	1	1	1	1	0	0
1	1	0	0	1	1	0	1
1	1	0	1	1	1	1	0
1	1	1	0	1	1	1	1
1	1	1	1	X	X	X	X

X:

A B / CD	00	01	11	10
00	0	0	0	0
01	0	1	1	1
11	1	1	X	1
10	1	1	1	1

$$X = A + BD + BC$$

Y:

A B / CD	00	01	11	10
00	0	1	1	0
01	1	1	0	0
11	1	1	x	1
10	0	1	1	0

$$Y = AB + B\bar{C} + \bar{B}D$$

Z:

A B / CD	00	01	11	10
00	0	0	0	1
01	0	0	0	0
11	0	1	x	1
10	0	1	0	1

$$Z = \bar{B}\bar{C}\bar{D} + AC\bar{D} + A\bar{C}D$$

W:

A B / CD	00	01	11	10
00	1	0	0	1
01	1	1	0	0
11	1	0	x	1
10	1	0	0	1

$$W = \bar{C}\bar{D} + \bar{A}B\bar{C} + AC\bar{D} + \bar{B}\bar{D}$$