

$$c) f(A, B, C, D) = \prod M(0, 1, 7, 8, 15), d(A, B, C, D) =$$

$$\sum m(3, 5, 6, 7, 4)$$

A	B	C	D	F
0	0	0	0	0
0	0	0	1	0
0	0	1	0	1
0	0	1	1	X
0	1	0	0	1
0	1	0	1	X
0	1	1	0	X
0	1	1	1	0
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	X
1	1	1	1	0

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

$$SOP = BD' + ACD' + B'CD + AC'D$$

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

$$POS = (B+C+D)(A+D')(B'+C')$$