Truth Table

A	B	C	D		Output
0	0	0	0 ->		0
0	0	0	1 ->		1
0	0	1	0 ->		0
0	0	1	1 ->		1
0	1	0	0 ->		0
0	1	0	1 ->		1
0	1	1	0 ->		1
0	1	1	1 ->		1
1	0	0	0 ->		0
1	0	0	1 ->		1
1	0	1	0 ->		1
1	0	1	1 ->		1
1	1	0	0 ->		0
1	1	0	1 ->		1
1	1	1	0 ->		1
1	1	1	1 ->		1

K-MAP

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

Result   F = D + B*C + A*C