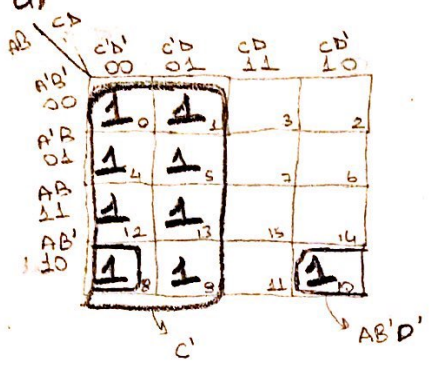
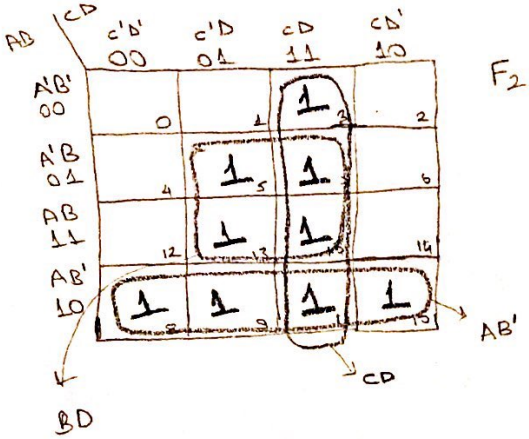
1) a)



a) $F_1(A,B,C,D) = \sum m(0,1,4,5,8,9,12,13,10)$

$F_1(A,B,C,D) = C' + AB'D'$

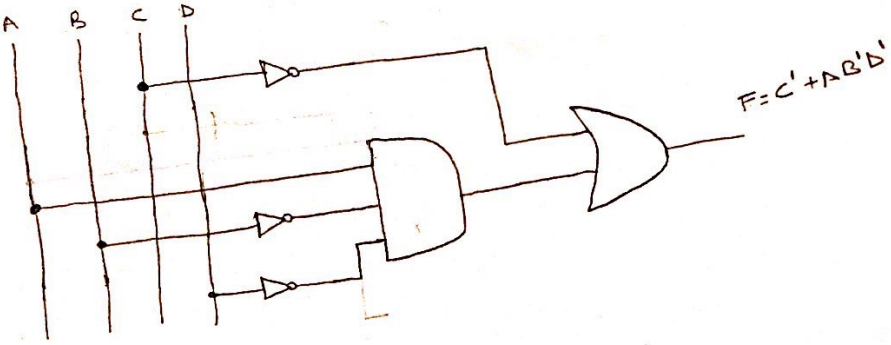
b)

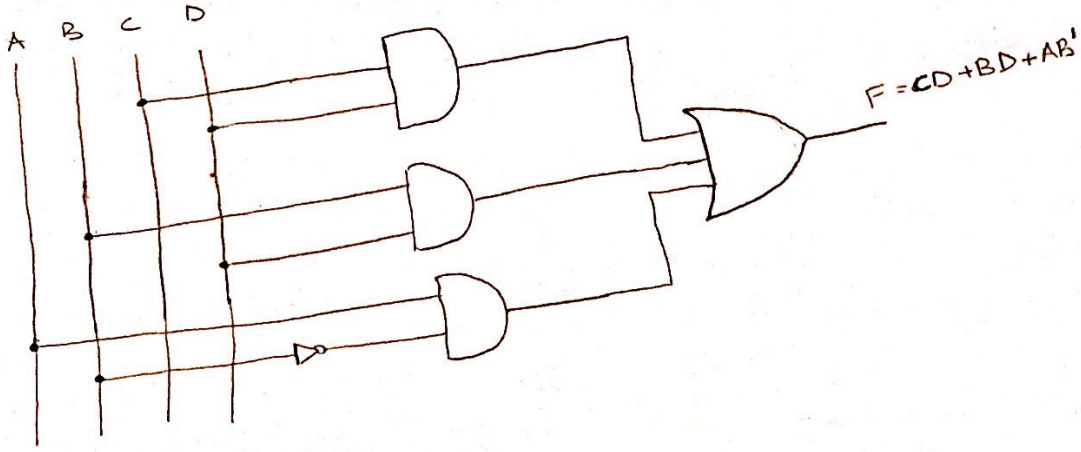


$F_2(A,B,C,D) = \sum m(3,5,7,8,9,10,11,13,15)$

$F_2(A,B,C,D) = CD + BD + AB'$

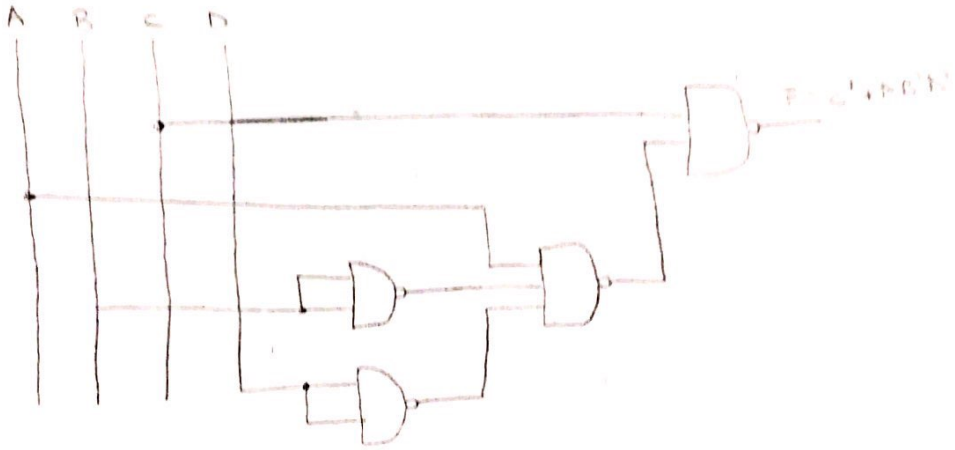
2)

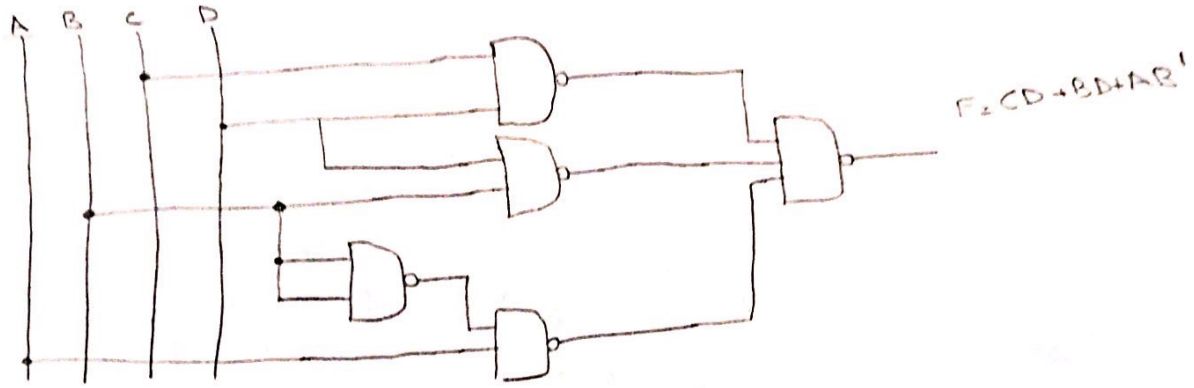




CamScanner ile tarandı

3)





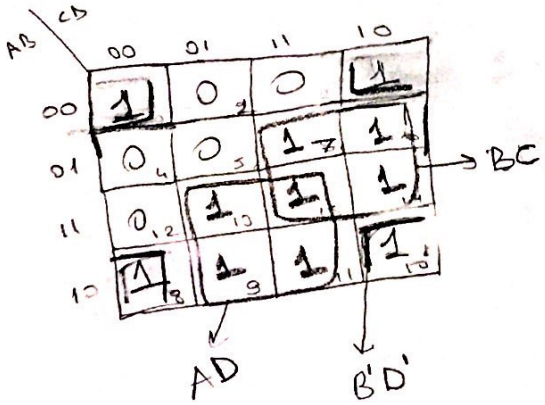
CamScanner ile tarandı

Q2

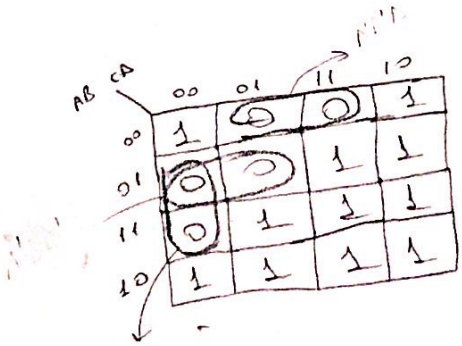
1) $F = AB' + AD + BC + CD' + A'B'C'D'$

A	B	C	D	AB'	AD	BC	CD'	A'B'C'D'	F	
0	0	0	0	0	0	0	0	1	1	a'b'c'd' m_0
0	0	0	1	0	0	0	1	0	0	m_1
0	0	1	0	0	0	0	0	0	1	a'b'cd' m_2
0	0	1	1	0	0	0	0	0	0	m_3
0	1	0	0	0	0	0	0	0	0	m_4
0	1	0	1	0	0	1	1	0	1	m_5
0	1	1	0	0	0	1	0	0	1	a'bc'd' m_6
0	1	1	1	0	0	0	0	0	1	a'bcd m_7
1	0	0	0	1	0	0	0	0	1	ab'c'd' m_8
1	0	0	1	1	1	0	0	0	1	ab'c'd m_9
1	0	1	0	1	0	0	1	0	1	ab'cd' m_{10}
1	0	1	1	1	1	0	0	0	1	ab'cd m_{11}
1	1	0	0	0	0	0	0	0	0	m_{12}
1	1	0	1	0	1	0	0	0	1	abc'd m_{13}
1	1	1	0	0	0	1	1	0	1	abcd' m_{14}
1	1	1	1	0	1	1	0	0	1	abcd m_{15}

$F(A,B,C,D) = \sum m(0,2,6,7,8,9,10,11,13,14,15)$



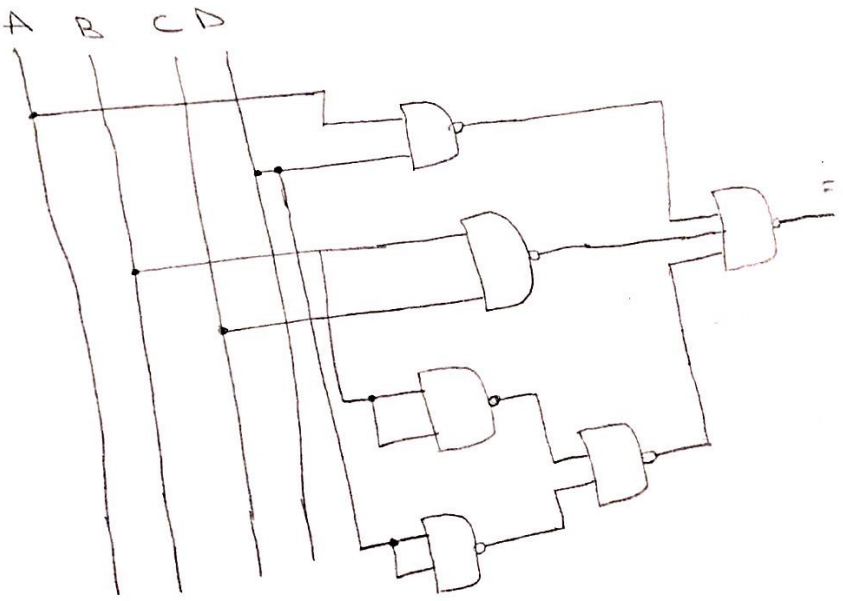
$F(a,b,c,d) = B'D' + BC + AD$



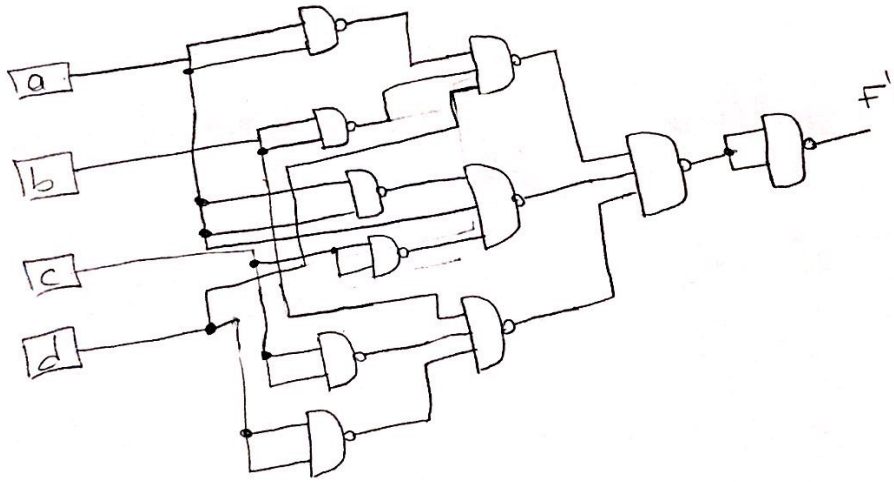
$(a+b+d')(a+b'+c)(b'+c+d)$

CamScanner ile tarandı

F



F'



CamScanner ile tarandı