

1	FUI	NIC T	NOIT	T	ARL	F
1.	101	1	1014	2	1100	-

83	S2	SI	So	7
0	0	0	0	Io
0	0	0	1	エ」
0	0	1	0	I2
0	0	1	1	I3
0	1	0	0	14
0	1	0	1	IS
0	1	1	0	IG
0	1	1	1	17
1	0	0	0	I8
1	0	0	1	Ig
1	0	1	0	IIO
1	0	1	1	III
1	1	0	0	I12
1	1	0	1	713
1	1	xli	0	Ily Kun
1	1	1	1	112

(3)

2. Given Zm(1,3,5,7,10,12,15) = F(A,B,C,D)

No. of inputs = n = 4 No. of selection lines = n-1 = 3

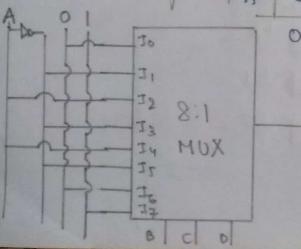
MOX und = 2 n-1:1 = 23:1= 8:1

M	= 53:1			
A	B	C	10	F
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	13	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0 6	0
0	1	1	1	1
19	0	0	0	0
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0

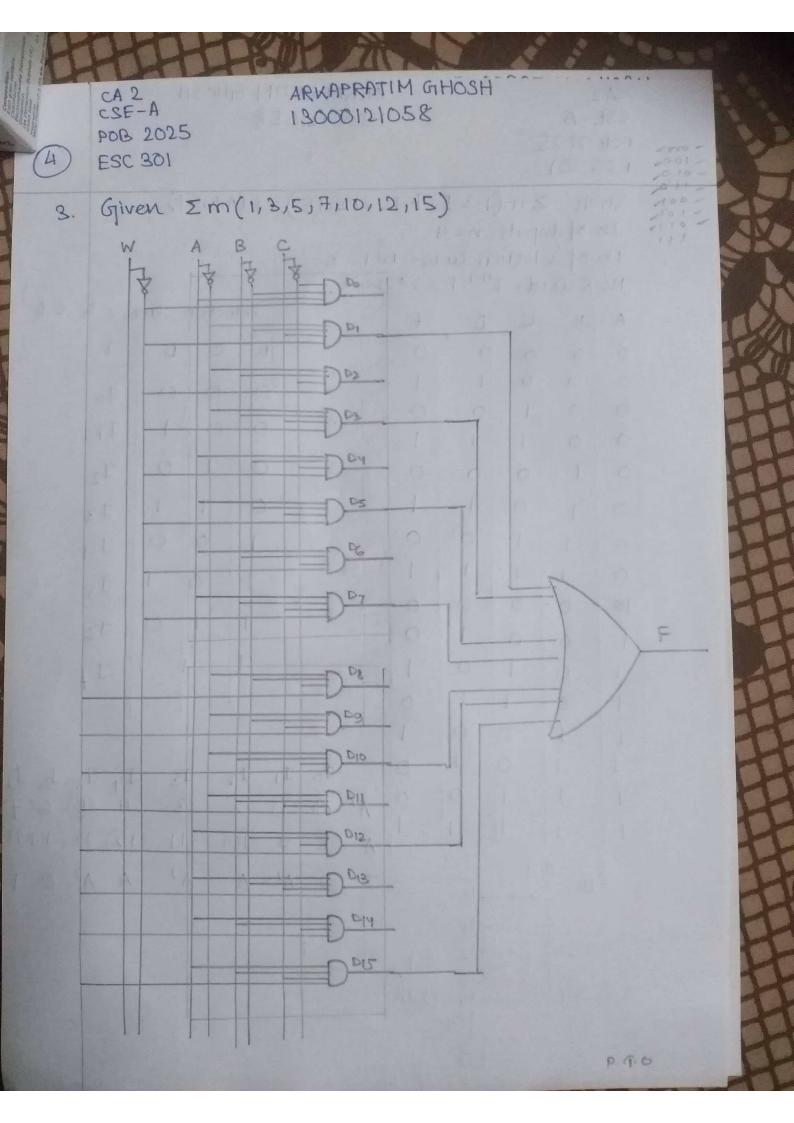
se	lectur	n lun	80 ; E	3 - 0
B	C	0	F	
0	0	0	7	

0	0	0	Jo
0	0	1	I,
0	1	0	72
0	1	1	I3
1	0	0	Jy
1	0	1	72
1	1	0	76
1	1	1	II

To I, I2 I3 I4 I, I6 I1 A' O D 2 3 4 5 6 7 A 8 9 10 11 12 13 14 15

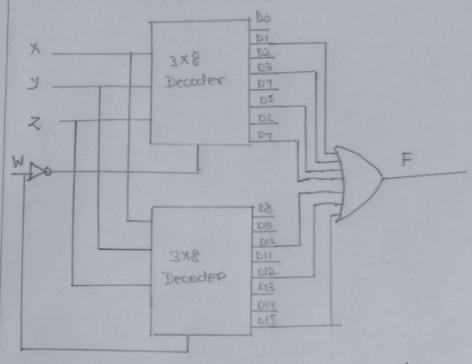


0 A' A A' A A' 0 1

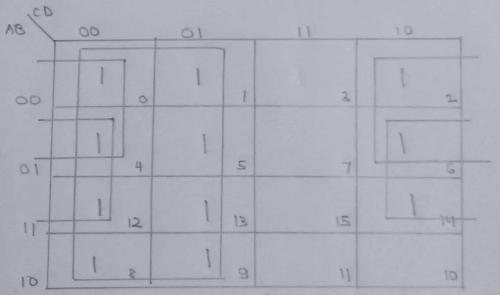


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(3)



4) F(A,B,C,D) = 5 m(0,1,2,4,5,6,8,9,12,13,14)



C+ BD + AD

The reduced expression is $\overline{c} + B\overline{D} + \overline{A}\overline{D}$

 $(m_0, m_1, m_4, m_5, m_{12}, m_{13}, m_8, m_9) = \overline{c}$ $(m_4, m_{12}, m_6, m_{14}) = B\overline{D}$ $(m_0, m_2, m_4, m_6) = \overline{A}\overline{D}$