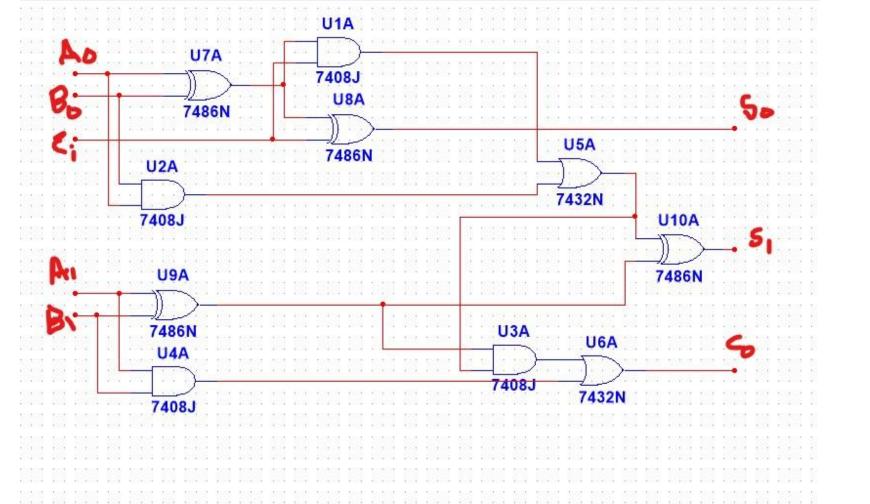
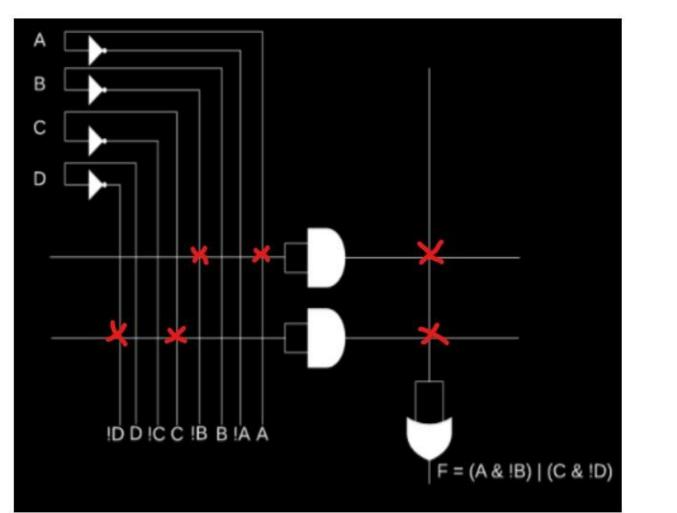
So=Ao⊕Bo⊕Cin S1=A1⊕B1⊕Cout where,Cout=AoBo+Cin(Ao⊕Bo) Co=A1B1+Cout(A1⊕B1)





A.BI+ CD'

RAM CONTENTS				
Address				Output Data
A	В	С	D	F
0	0	0	0	0
0	0	0	1	0
0	0	1	0	-
0	0	1	1	0
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	
1	1	0	0	0
1	1	0	1	0
1	1	1	0	l l
1	1	1	1	0

A is anded with B' and C anded with D' and product terms are ored together is the only possible solution