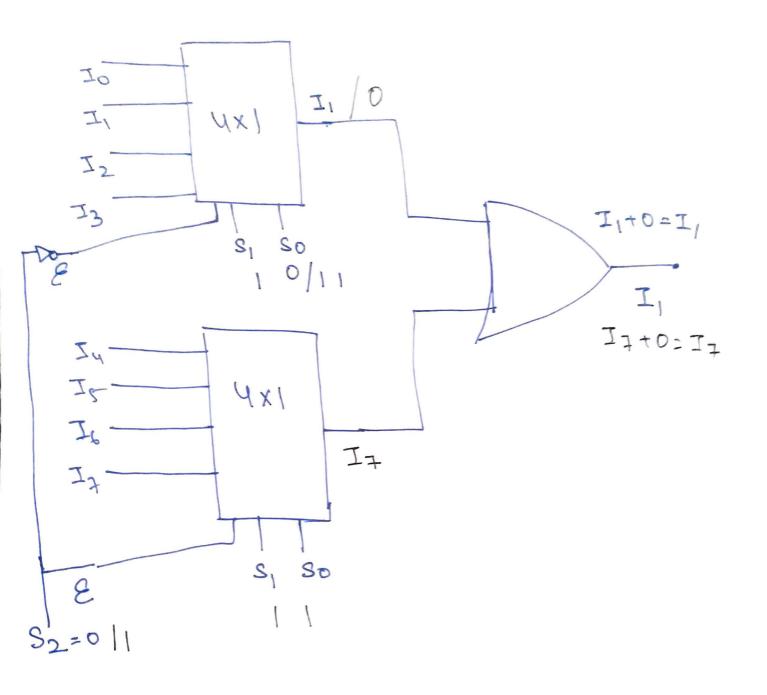
Implementing SXIMOX Wring 4XIMOX (Special Case)

La No. of SIP data lines.

Lo This helped boy enable (Rest case Enable is high and woodeing on)

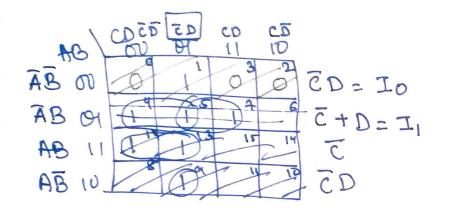
S2	SI	So	Y
0	0	0	Io
0	0	J	I
\circ	1	0	I_2
O	/)	I ₃
\	0	0	Ty
1	O)	Is
\	1	0	I6
\	(1	工士



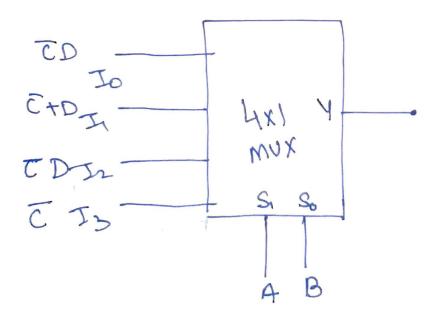
Implementating of Boolean Function using

MUX

9 F(A,B,C,D) = Sm(1,4,5,7,9,12,13) using 4x1 mox.

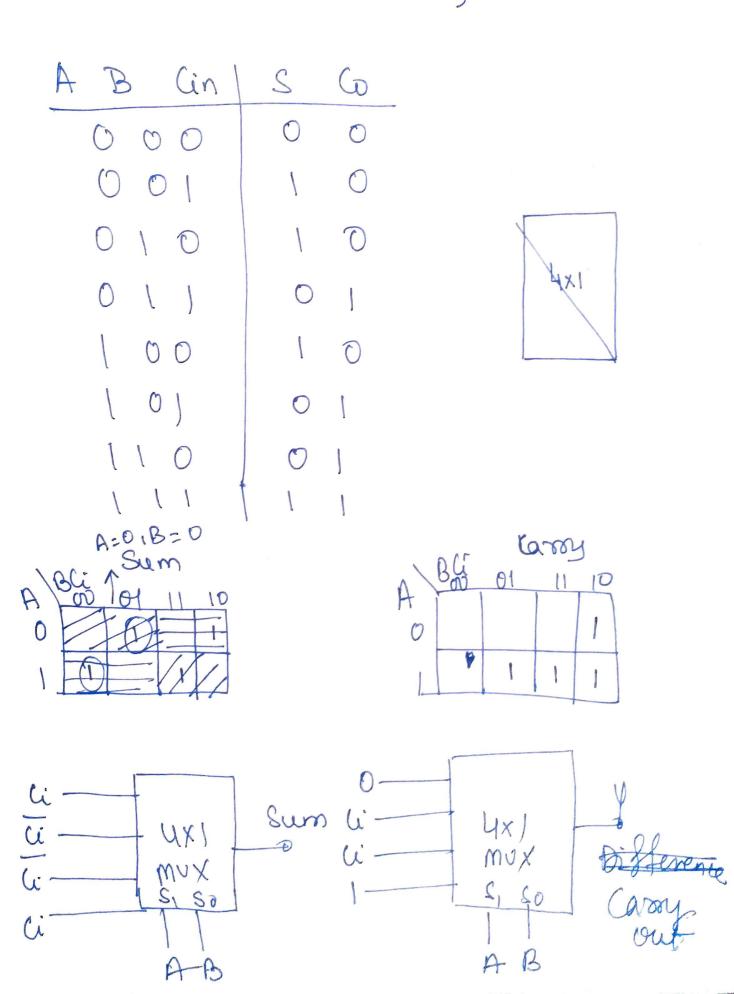


A B Si So	У	auestion OFP
00	Io	D5
0 1	I,	C+D
10	12	CD
1)	I3	C



So= B , S = A

1- Bit Full Adder Wing MUX (4:1 MUX)



$$\frac{A \mid B \mid S}{0 \mid 0 \mid I_0 = Ci}$$

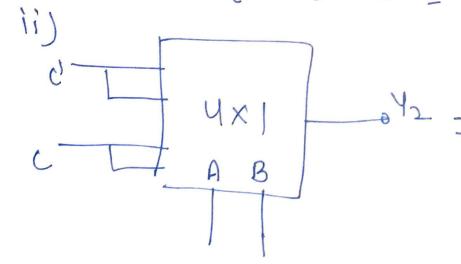
$$\frac{I_1 = Ci}{0 \mid I_2 = Ci}$$

$$\frac{I_2 = Ci}{0 \mid I_3 = Ci}$$

Exi Derive the logreal Expression

C I I O Y I D O Y D O O

YI = ABC + ABC + AB+ + (A.B.O) = A'C [B+B] + AB = A'C + AB



-042 = 42 = AOC