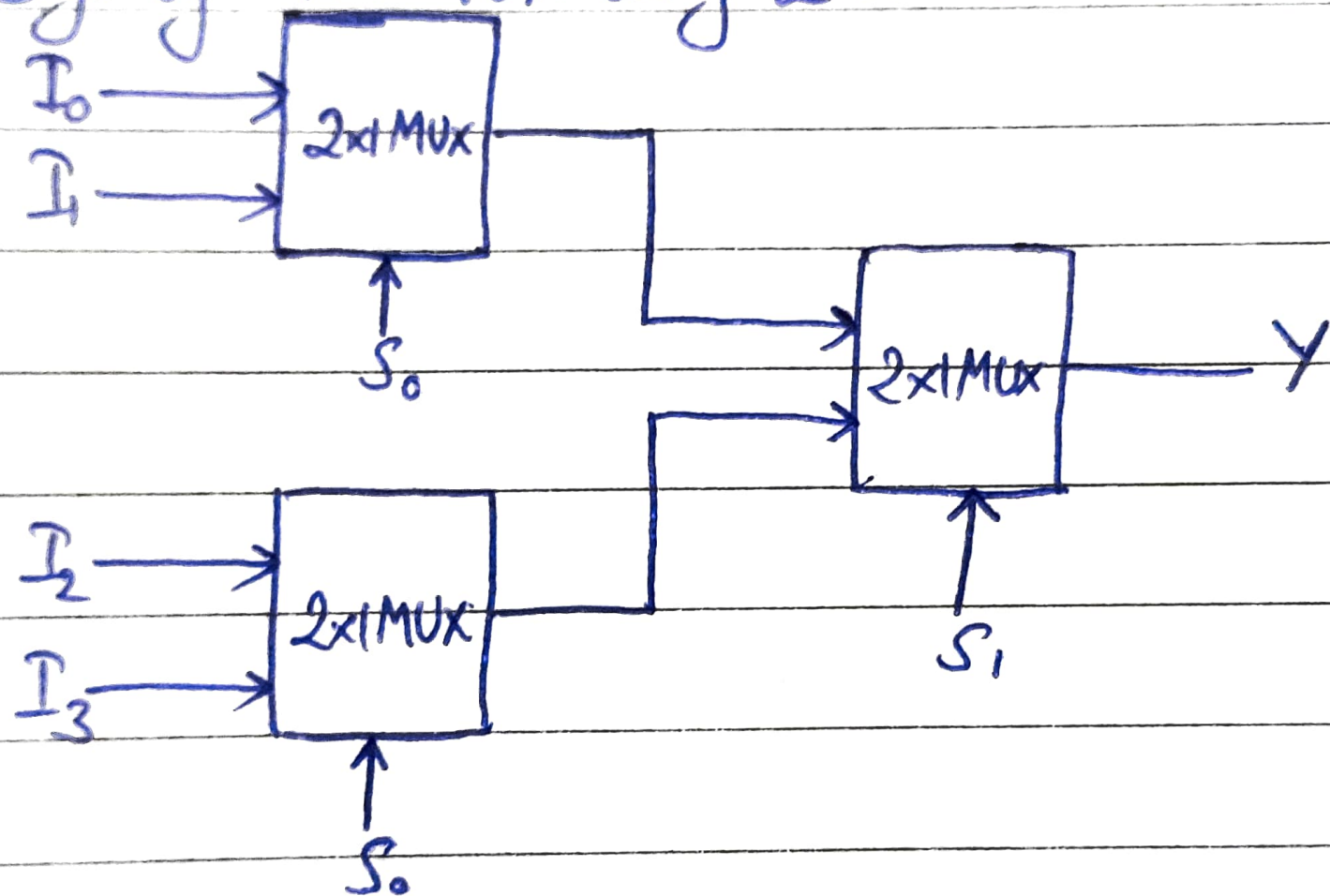


Design of 4x1 MUX using 2x1 MUX ÷



Truth Table :-

S	I_0	I_1	Y
0	0	X	0
0	1	X	1
1	X	0	0
1	X	1	1

∴ Boolean exp. of $Y = \bar{S}I_0 + SI_1$