



2x1 MUX :

S_0	I_0	I_1	Y
0	0	x	0
0	1	x	1
1	x	0	0
1	x	1	1

K-map for Mux:

		$I_0 I_1$			
		00	01	11	10
S_0	0	0	0	1	1
	1	0	1	1	0

$$Y = S_0 I_1 + \bar{S}_0 I_0$$