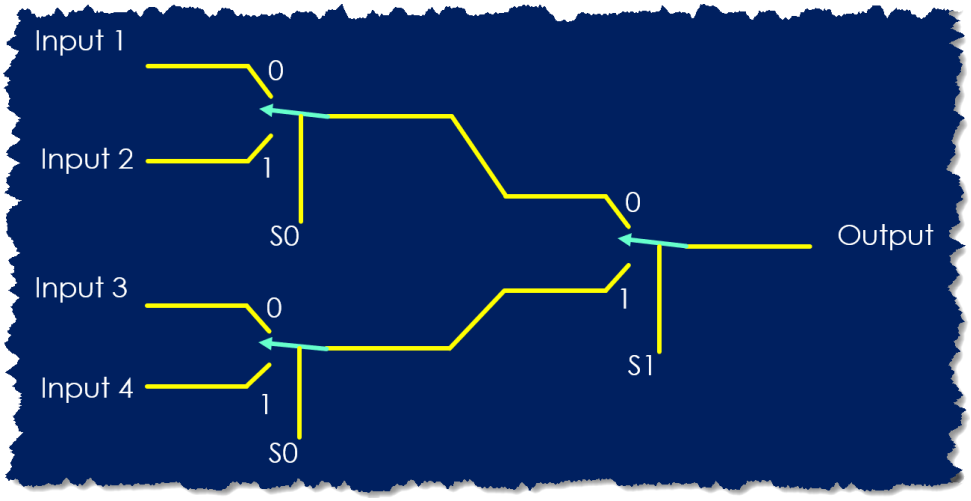
As shown in the following figure, we can perform the selection among four options by using three switches and two selection bits.



This table shows the output corresponding to each value on the select bits.

S0	S1	Output
0	0	Input 1
0	1	Input 3
1	0	Input 2
1	1	Input 4