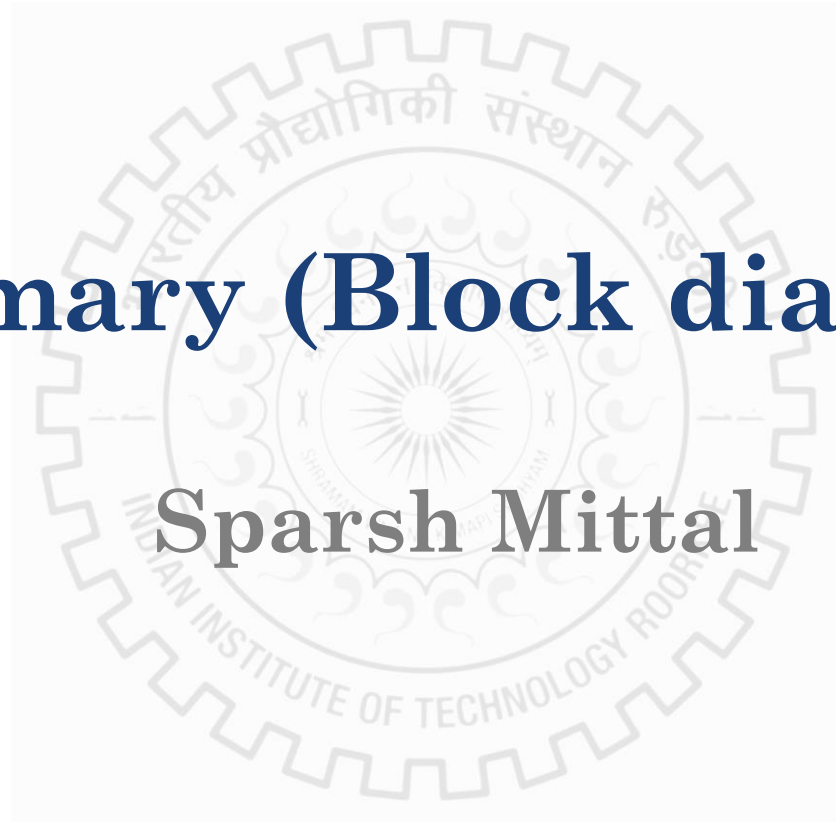
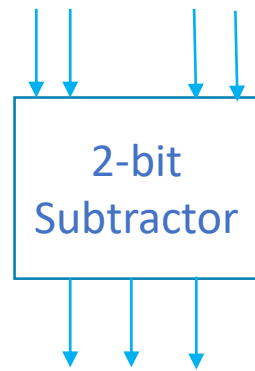
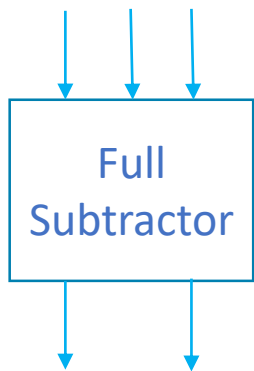
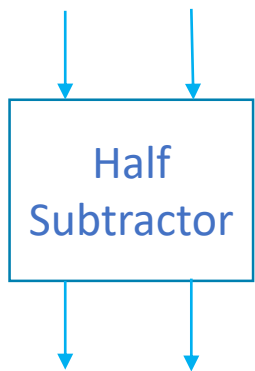
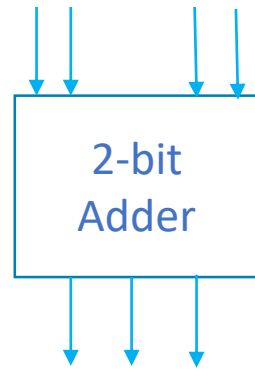
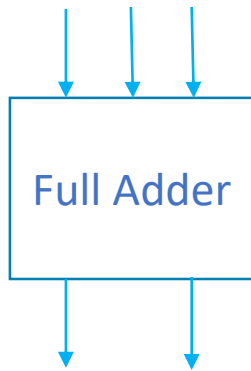
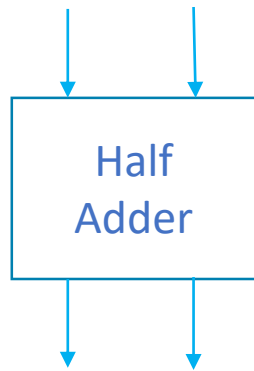


Summary (Block diagram)

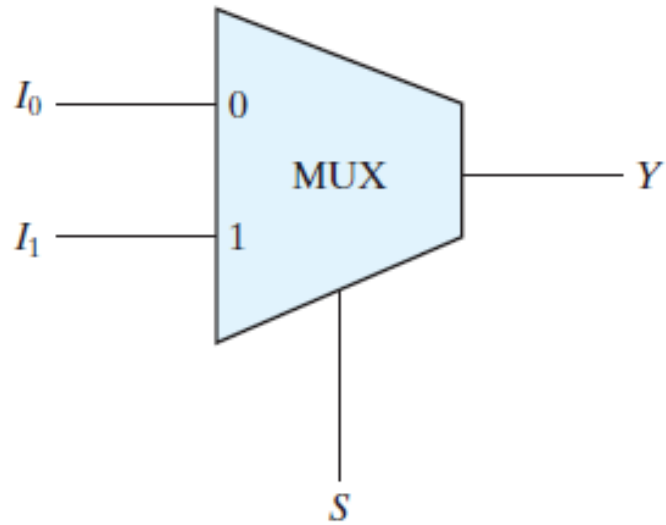
Sparsh Mittal



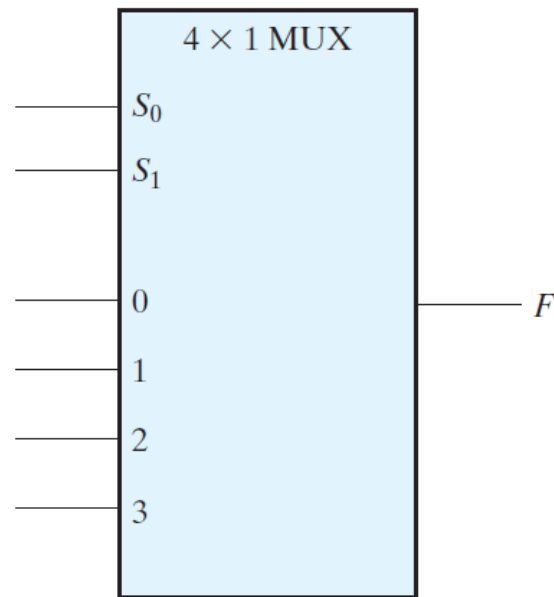


MUX

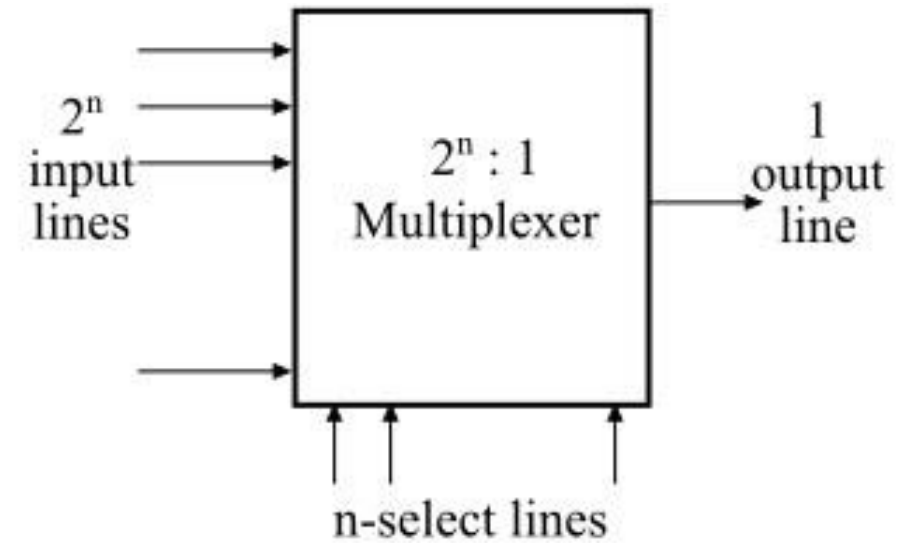
2:1 MUX



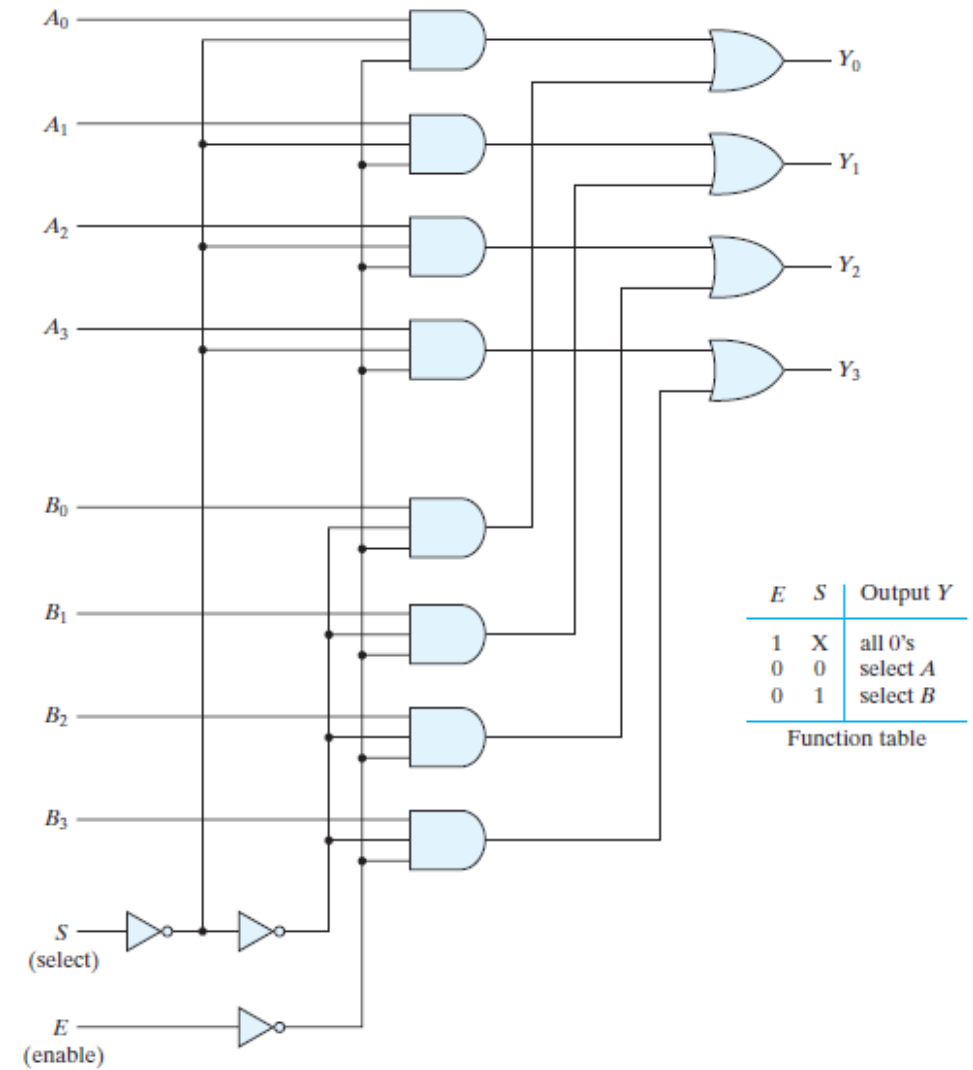
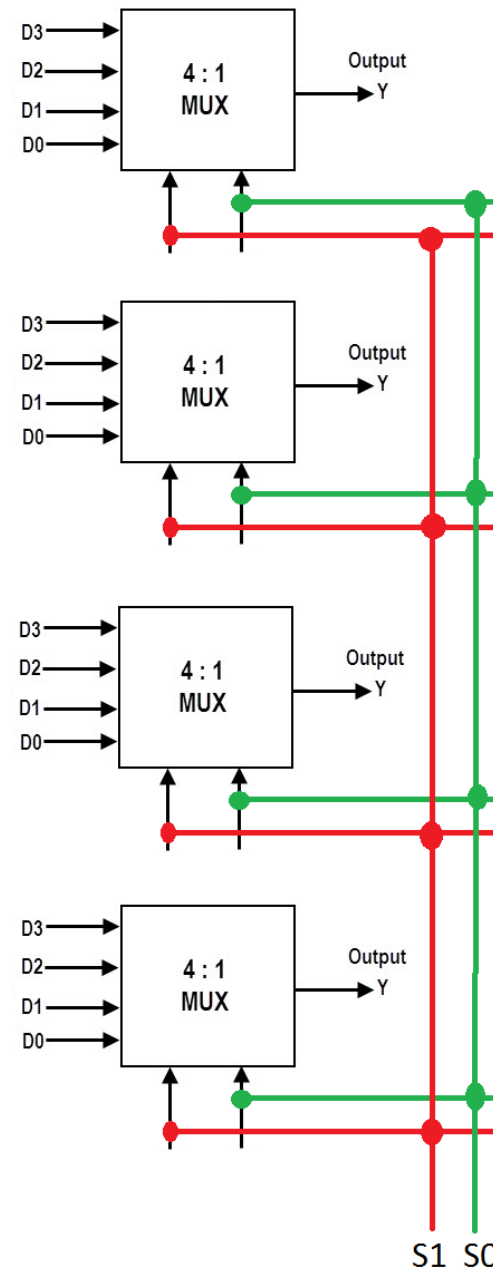
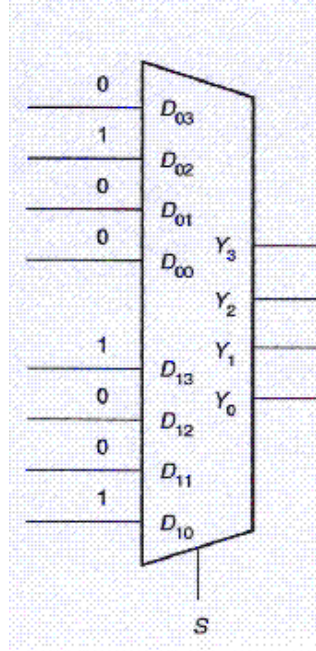
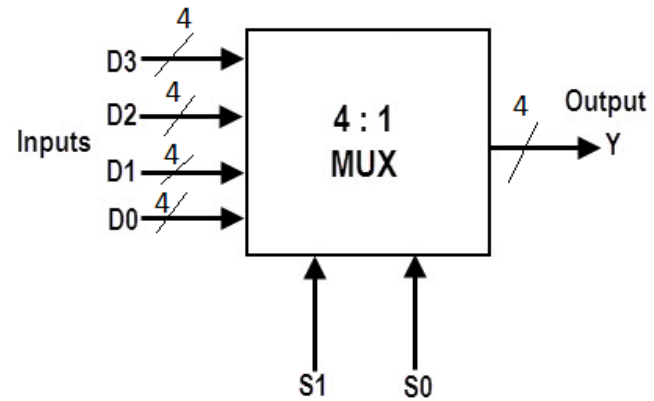
4:1 MUX



2^n :1 MUX



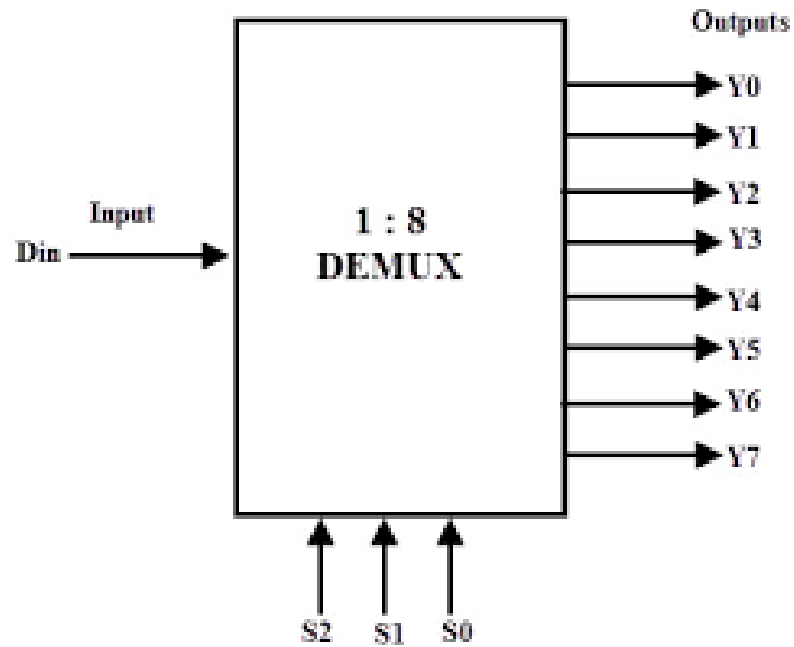
Multi-bit MUX



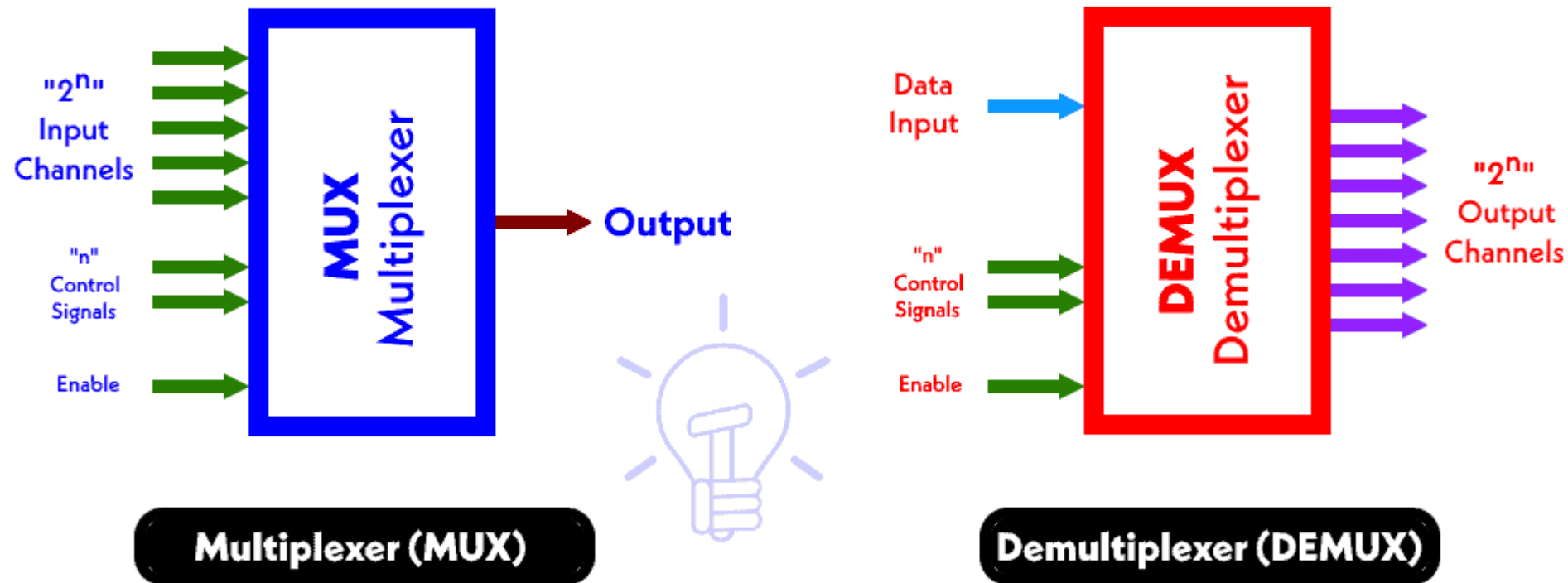
E	S	Output Y
1	X	all 0's
0	0	select A
0	1	select B

Function table

Demux

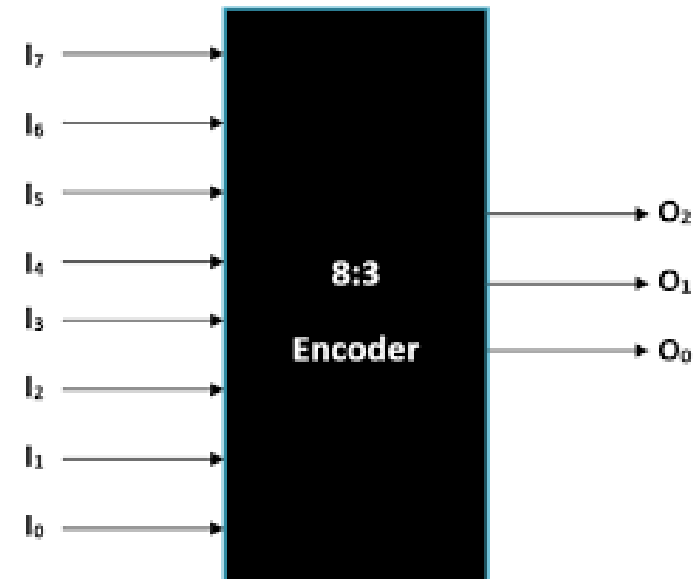
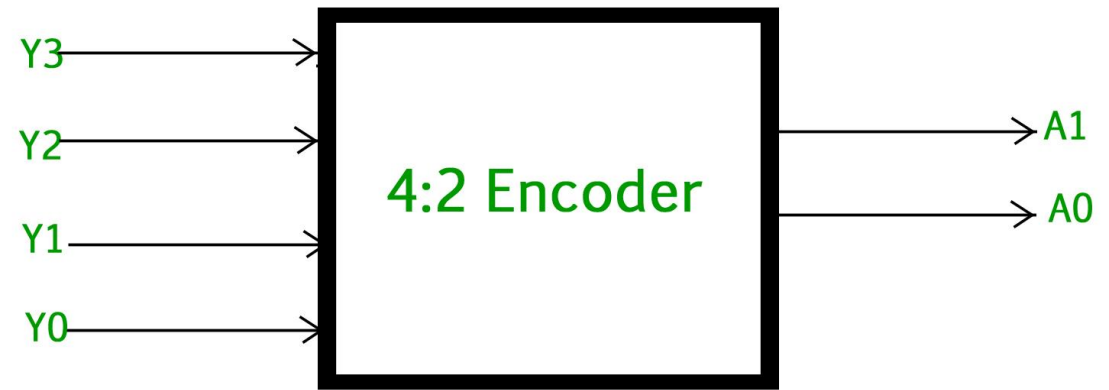
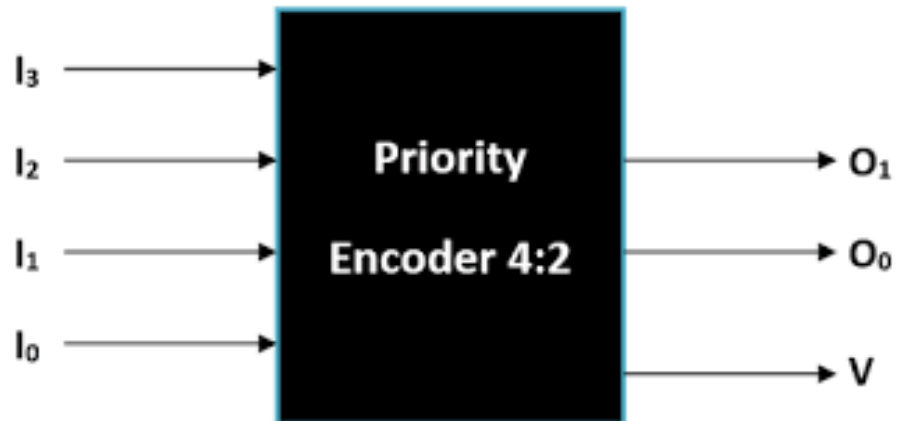
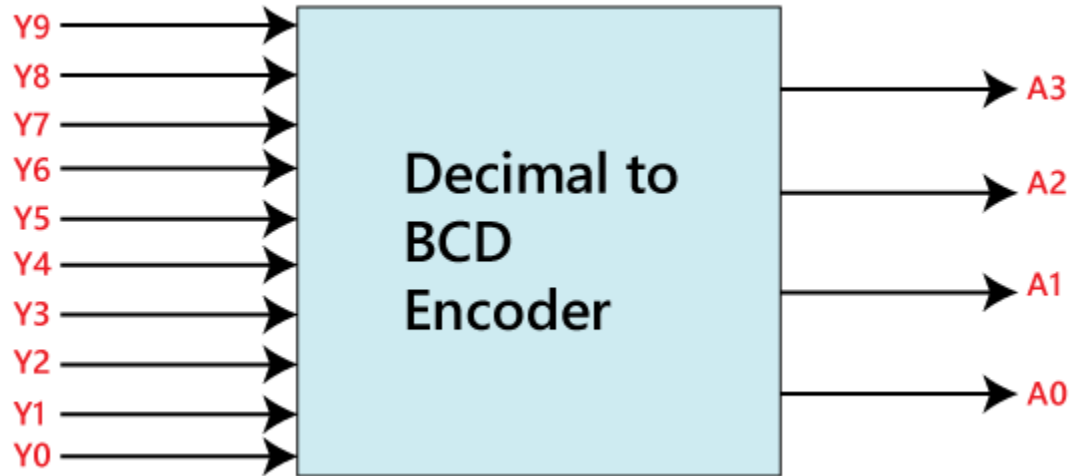


Difference Between MUX and DEMUX

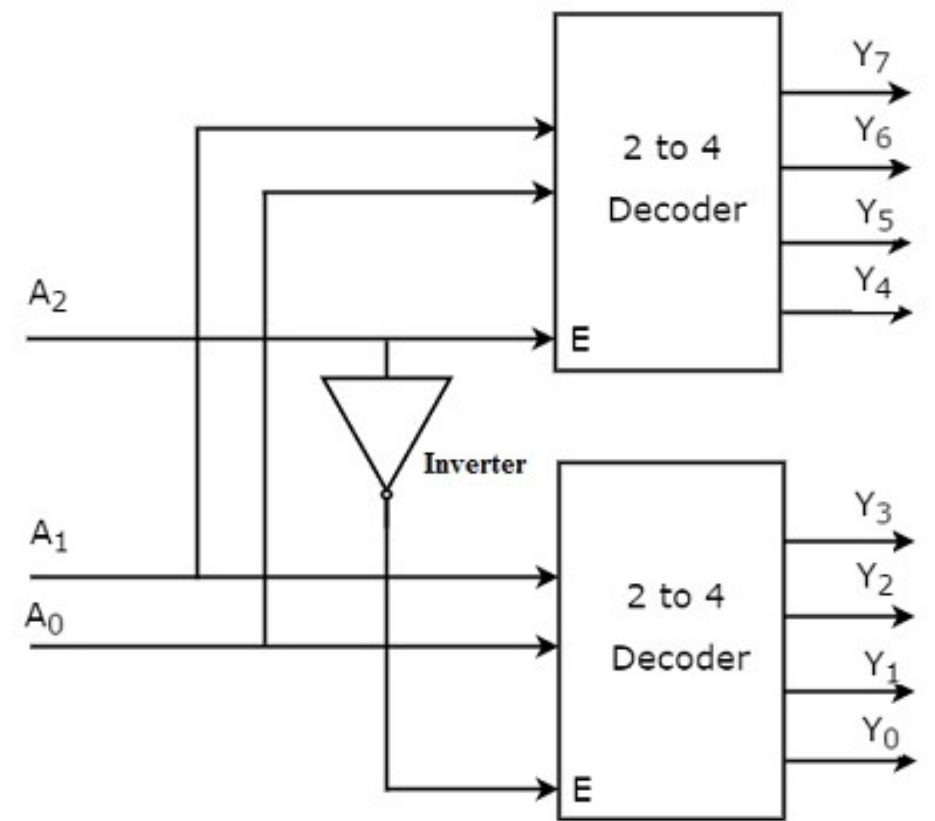
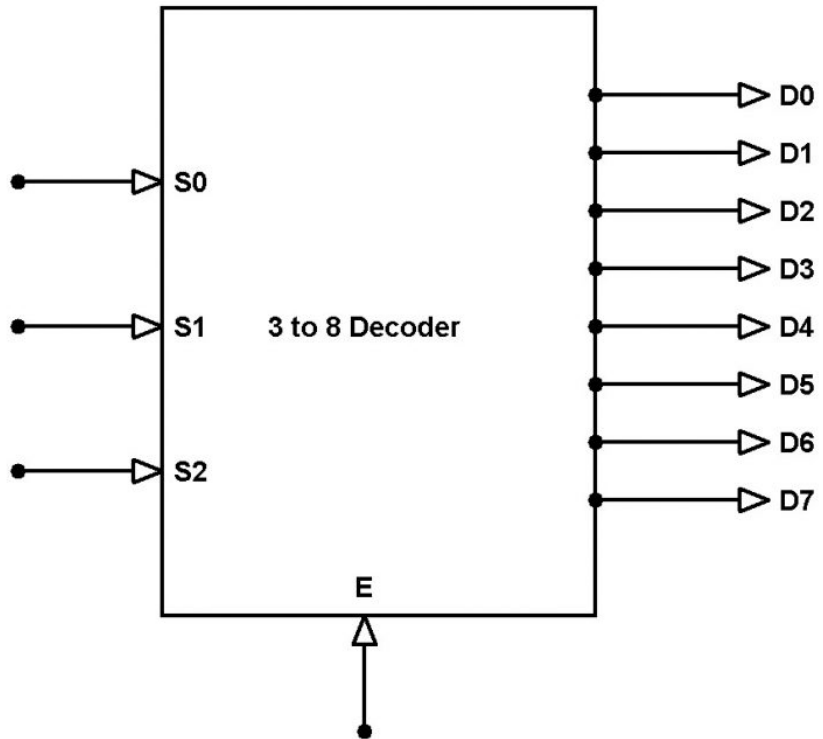


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Encoder

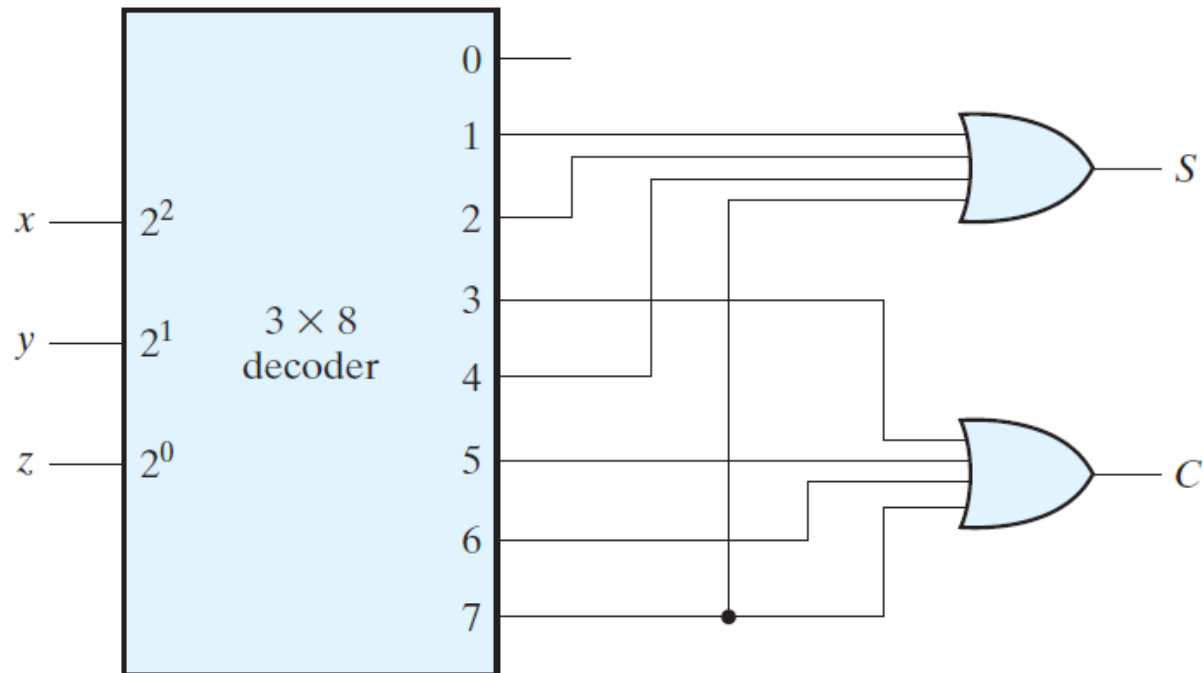


Decoder



Decoder vs MUX

To implement any function using decoder, add required gates at output



To implement any function using MUX, add required gates at input

