Assignment-9
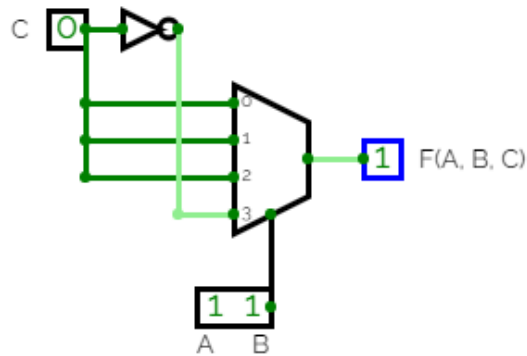## Sambhav Kaushik | SK10 | 22220CMP023
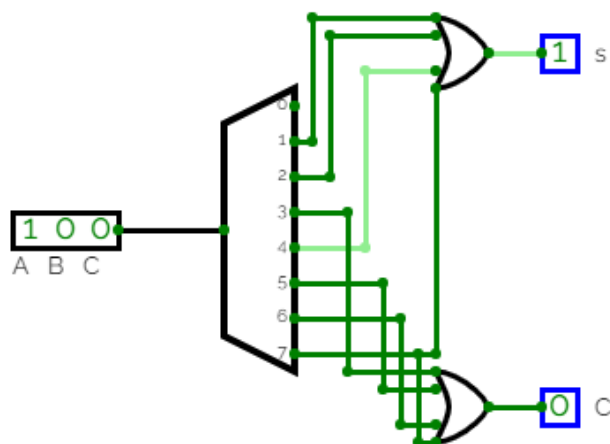
- **Problem 1:** Implement Boolean function $F(A, B, C)=\Sigma(1,3,5,6)$ using MUX.

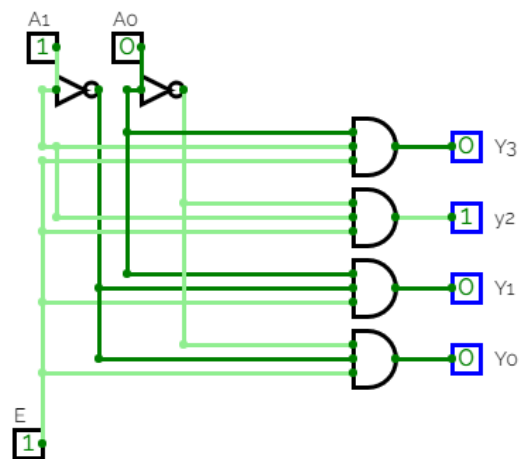Implement Boolean function $F(A, B, C)=\Sigma(1,3,5,6)$ using MUX

- **Problem 2:** Implement Full-Adder using Decoder.

Implement Full-Adder using Decoder

- **problem 3:** Design a 2 to 4 line Decoder with Enable input.

Design a 2 to 4 line Decoder with Enable input

A1   A0
[1]   [0]

[0] Y3
[1] y2
[0] Y1
[0] Y0

E
[1]

- **problem 4:** Design a 1:4 line Demux.

Design a 1:4 line De-MUX

S1   S0
[0]   [0]

[0] Y3
[0] Y2
[0] Y1
[1] Y0

I [1]