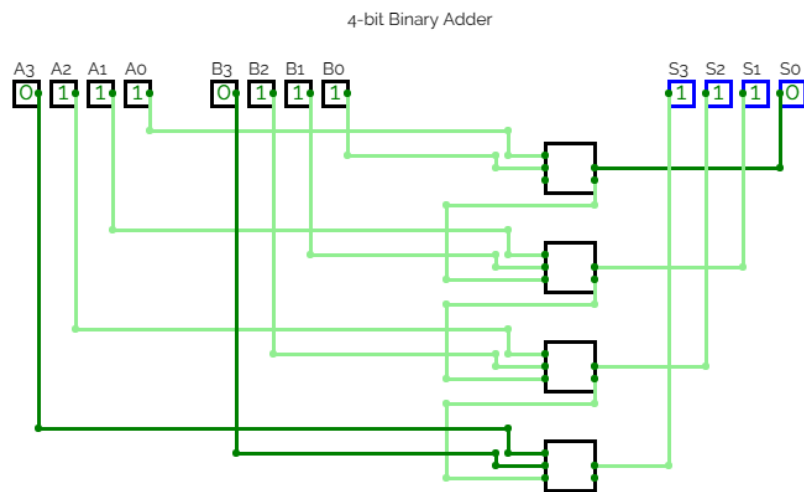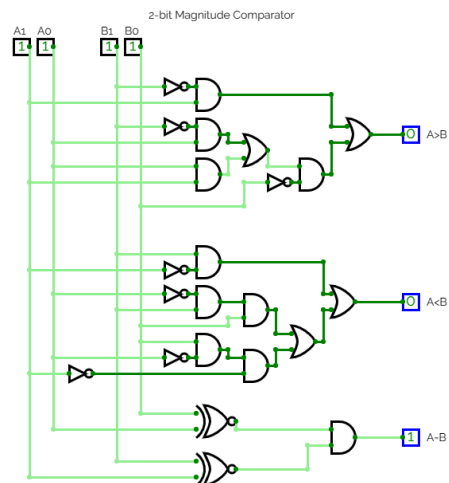# Assignment-8
Sambhav Kaushik | SK10 | 22220CMP023
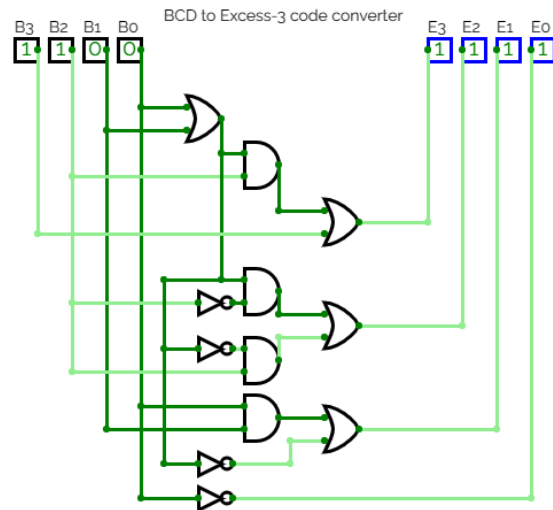
- **Problem 1:** 4-bit Binary parallel Adder.

4-bit Binary Adder

- **problem 2:** 2 bit Magnitude Comparator.

2-bit Magnitude Comparator

- **problem 3:** Design a BCD to Excess-3 code converter.

B3 B2 B1 B0
[1] [1] [0] [0]

E3 E2 E1 E0
[1] [1] [1] [1]

- **problem 4:** Design a Binary to Gray Code Converter.

Binary to Gray code converter

B3 B2 B1 B0
[0] [1] [1] [1]

G3 G2 G1 G0
[0] [1] [0] [0]