Lab - 7

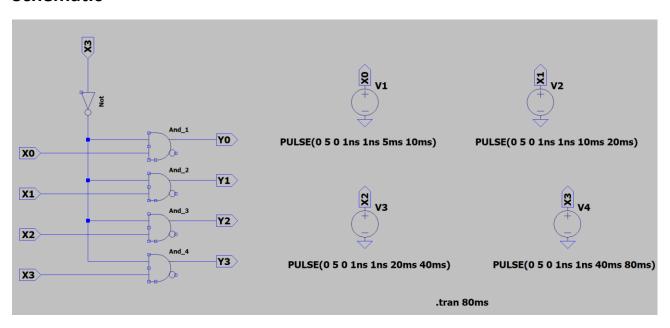
ECN - 252

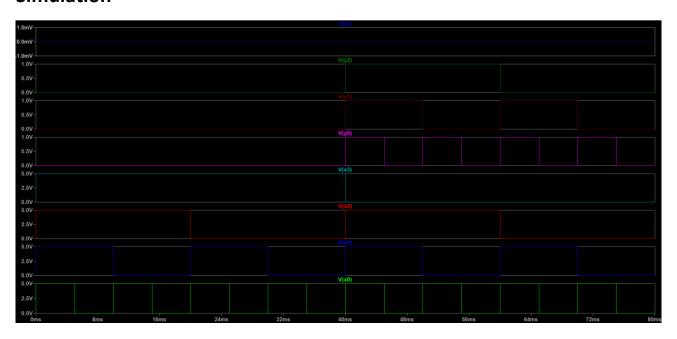
19114001 | Abhinav Saini

Part 1:

- i) Logic to check for number is negative or positive: If the most significant bit of 4-bit number is 1 then the number is negative else positive.
- ii) ReLu Function

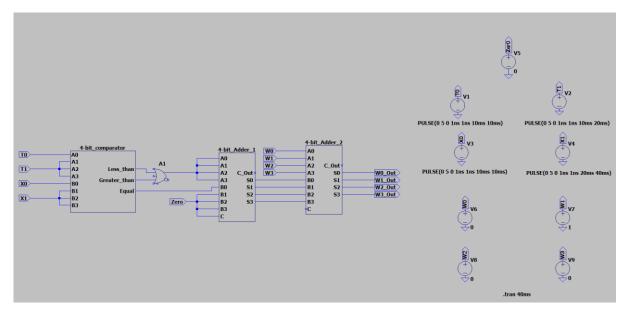
Schematic

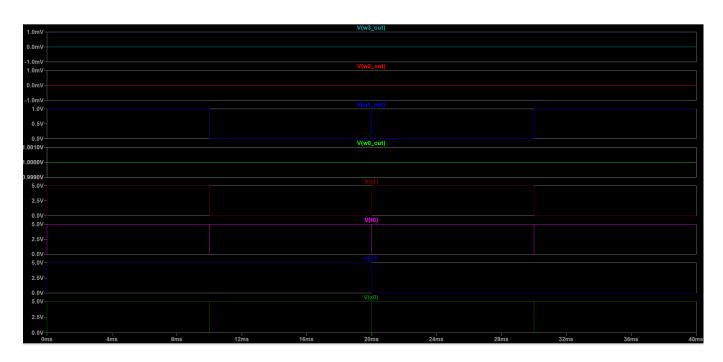




Part 2:

Schematic



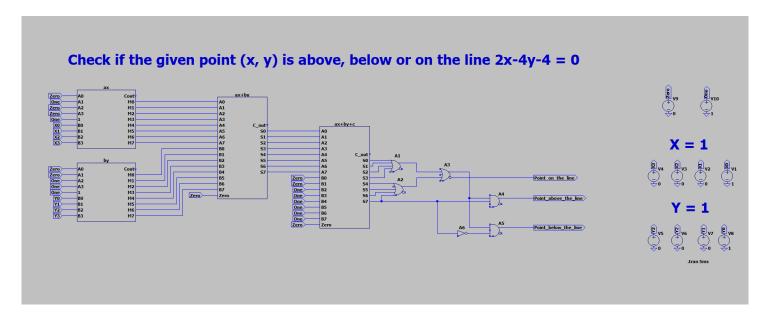


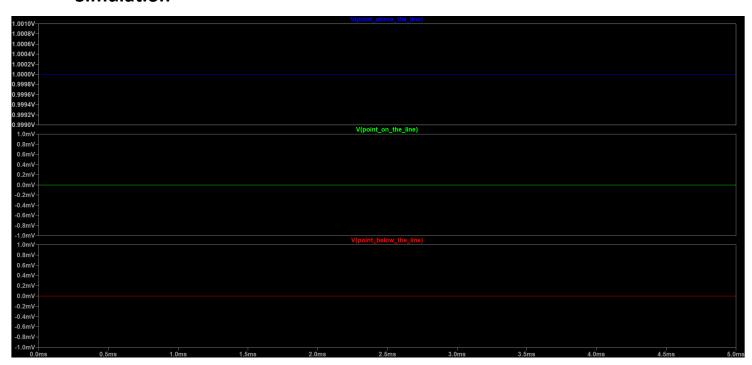
Part 3:

Line Equation \Rightarrow 2x -4y -4 = 0

Check Above the line X = 1, Y = 1

Schematic





Check Below the line X = 2, Y = -2

Schematic

