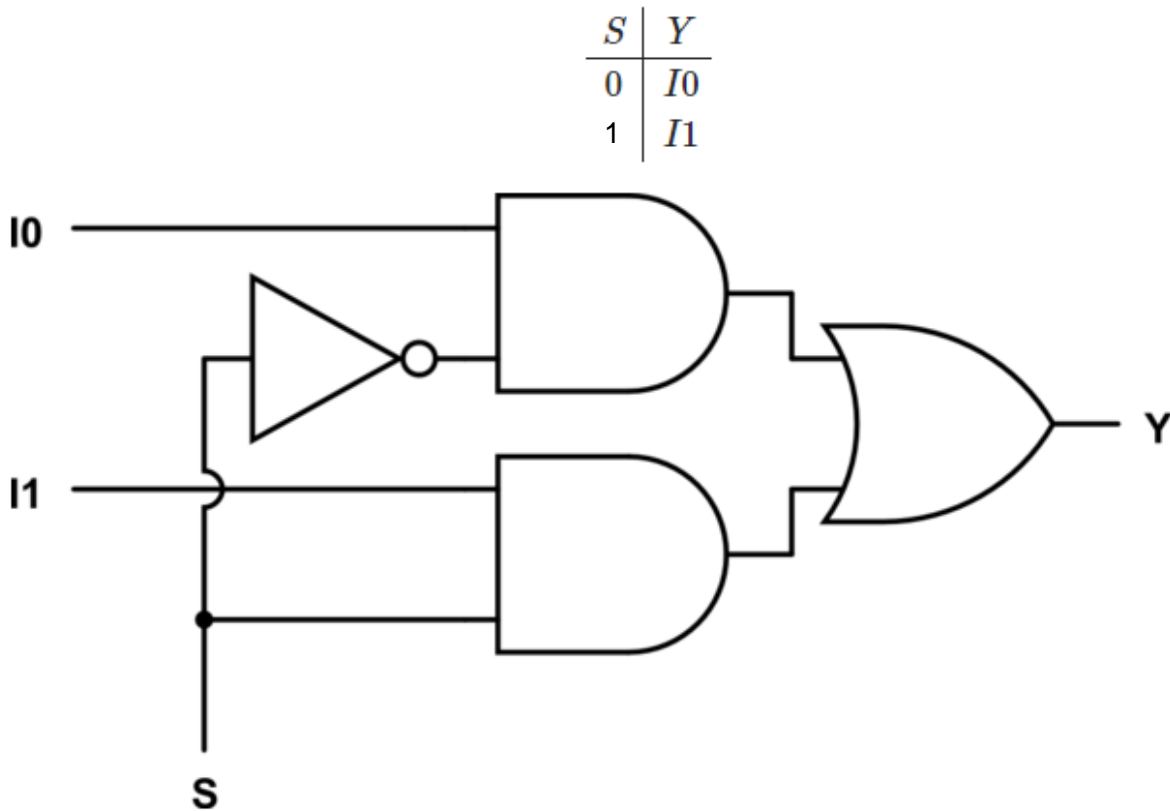


Project 1, Part 1

Create the schematic for a 2:1 MUX and simulate it.



What to turn in:

1. Schematic of the 2:1 MUX
2. Schematic used to simulate the 2:1 MUX
3. Simulation Results

Reference Images:

- Images shown below are for reference only. Your schematic can look different and does not have to look identical to these images.
- For the simulation, be sure to graph the following in the 2:1 MUX
 - The selector
 - Input 1
 - Input 2
 - output

Also, be sure to clearly mark which net represent which input or output as the reference image is shown. Failure to do this will have an impact on your grade.

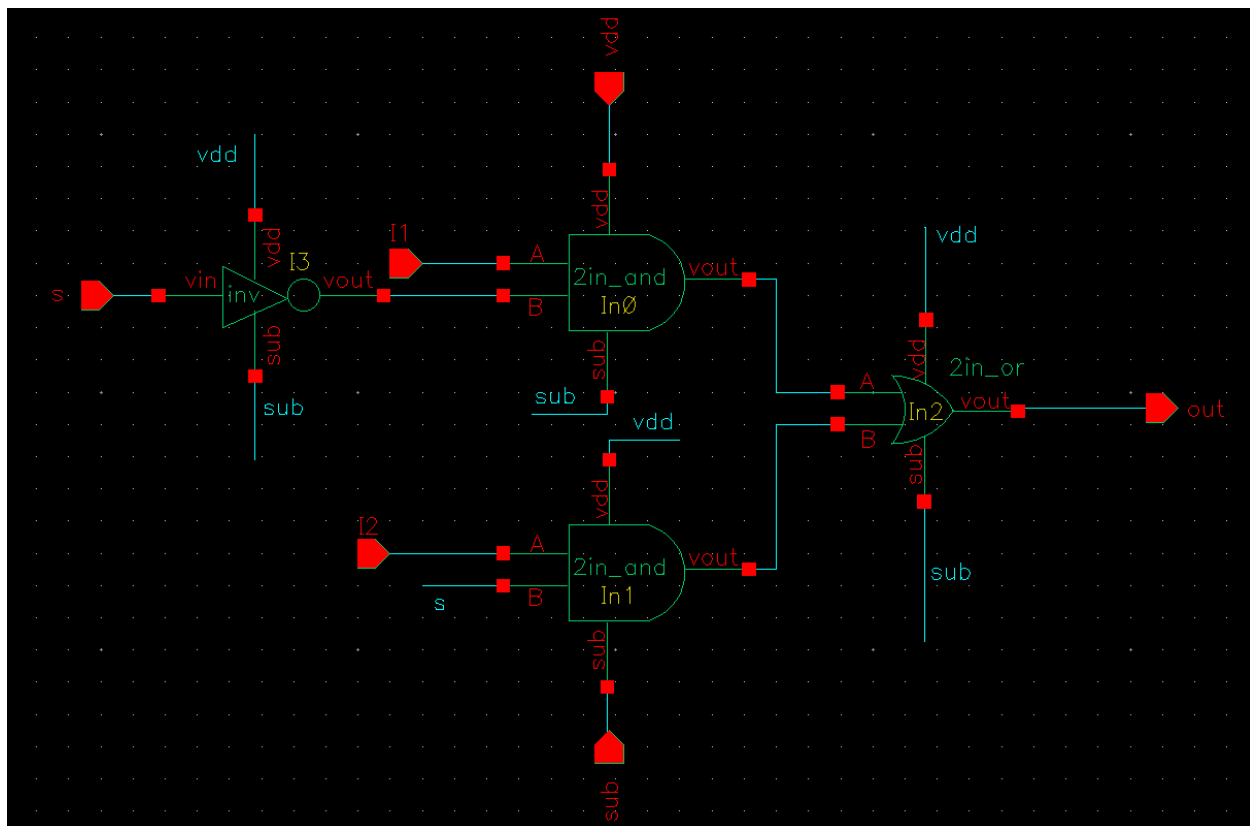


Figure 1: the complete schematic for the 2:1 MUX

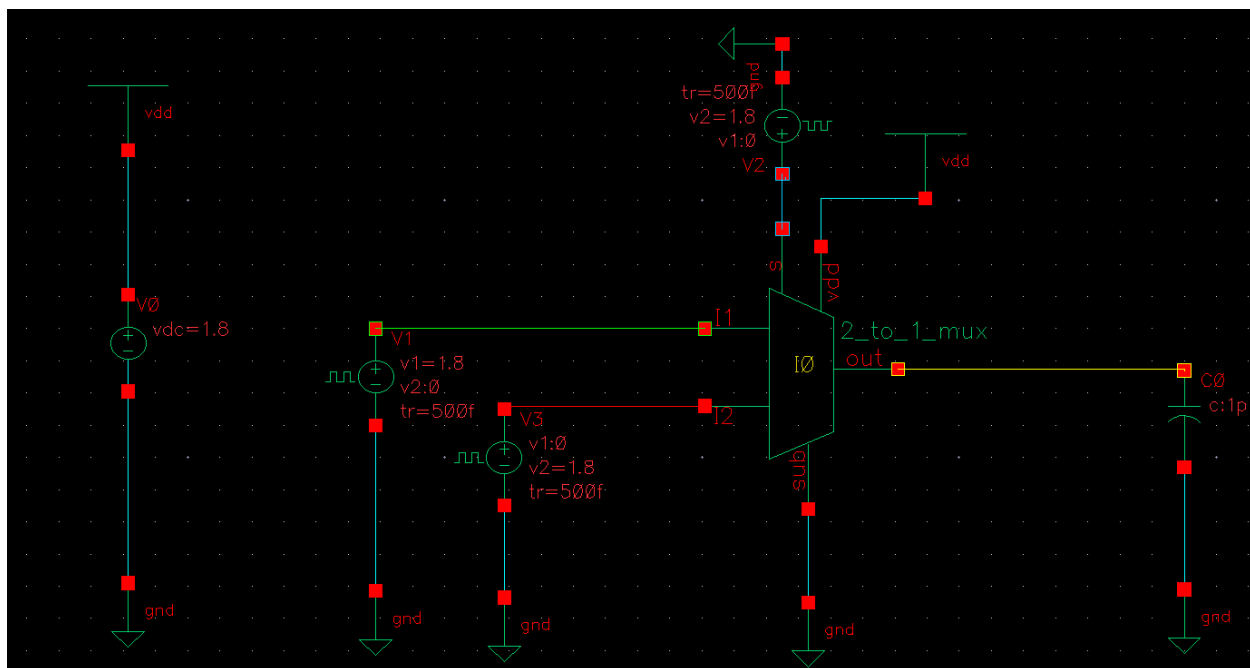


Figure 2: the schematic for the 2:1 MUX test bench

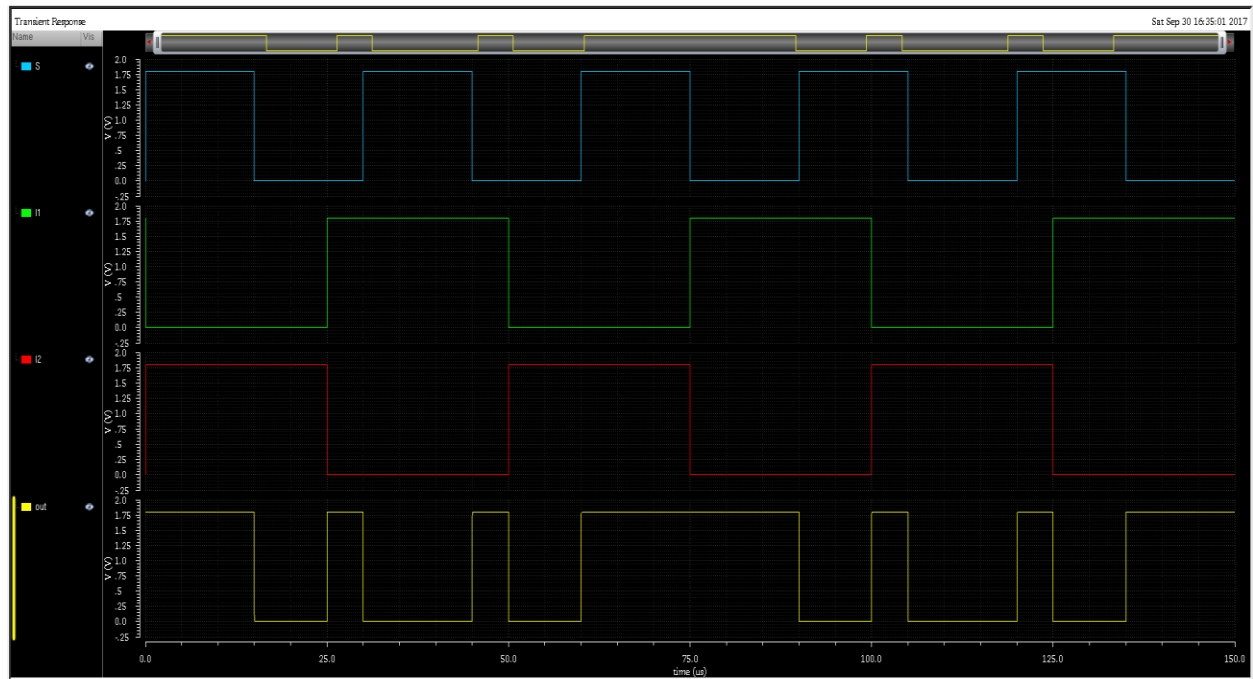


Figure 3: the result of the 2:1 MUX simulation