

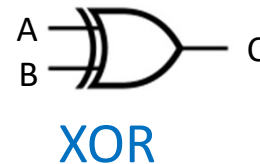
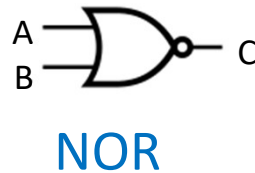
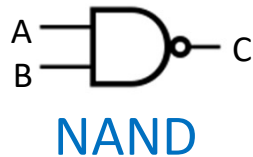
Homework #2

1. Functionality of the Basic Gate

$$V_{CC}=1V$$

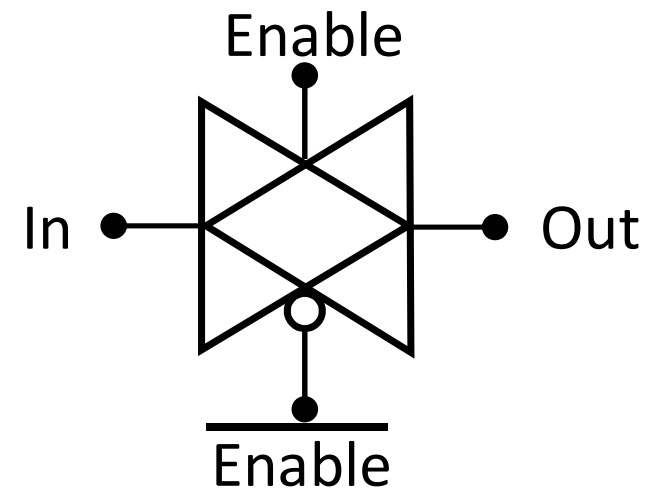
AC Pulse width=10ns

Please verify the functionality of the 2-to-1 NAND, NOR, XOR in DC and AC operations.



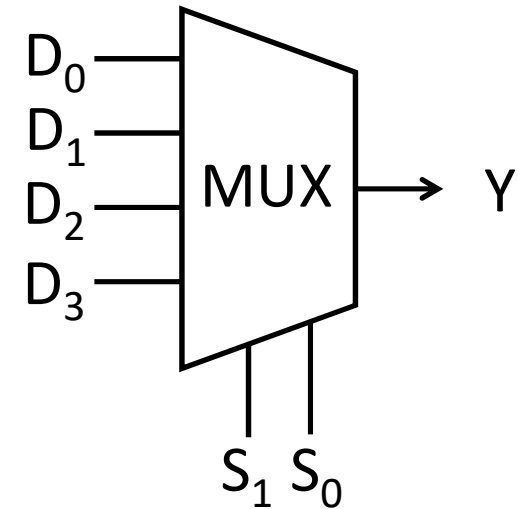
2. Functionality of the Transmission Gate

Please verify the functionality of transmission gate in DC and AC operations.



3. Functionality of the Basic Gate

Please verify the functionality of the 4-to-1 MUX.



4. Functionality of the Decoder

Please verify the functionality of the 3-to-8 decoder.

