

Digital Electronics Fundamentals 201.2

Labs:

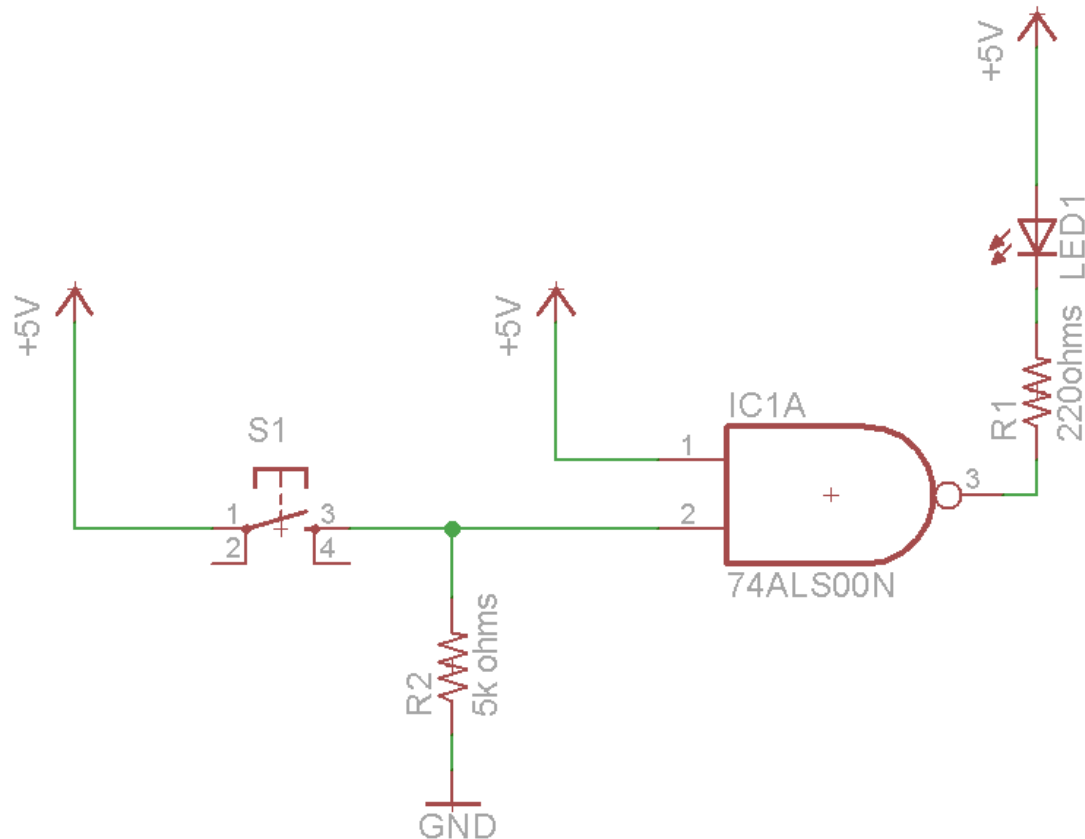
- Setting up with 5V
- Simple NAND Circuit
- Latching NAND Circuit

1 Setting Up for 5V

- Logic Gates are very finicky about their voltages. Therefore, 5V logic gates require exactly 5V (regulated) from the power supply.
- You should not leave unconnected inputs (floating) for your logic gates. In logic terms, a floating input is undefined.

2 Lab: Simple NAND Circuit

- When both inputs are HIGH, what will the LED be ON or OFF?



3 Lab: Latching NAND Circuit

- Create a truth table for this device.

