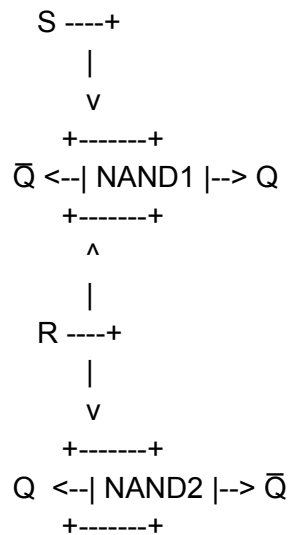


We will need:

- NAND gates
- LEDs
- Resistors
- Pushbuttons

Each LED will need its own latch. We will build a SR latch using two NAND gates.

The first NAND output will go to the second NAND input A and the second NAND output will go to the first NAND input B. The remaining inputs will be S (a button) and R (the shared reset button).



Okay, so now we have to decide how many LEDs we want. Since I am making this on Tinkercad the colors will be:

- Green
- Yellow
- Orange
- Blue
- Red
- White