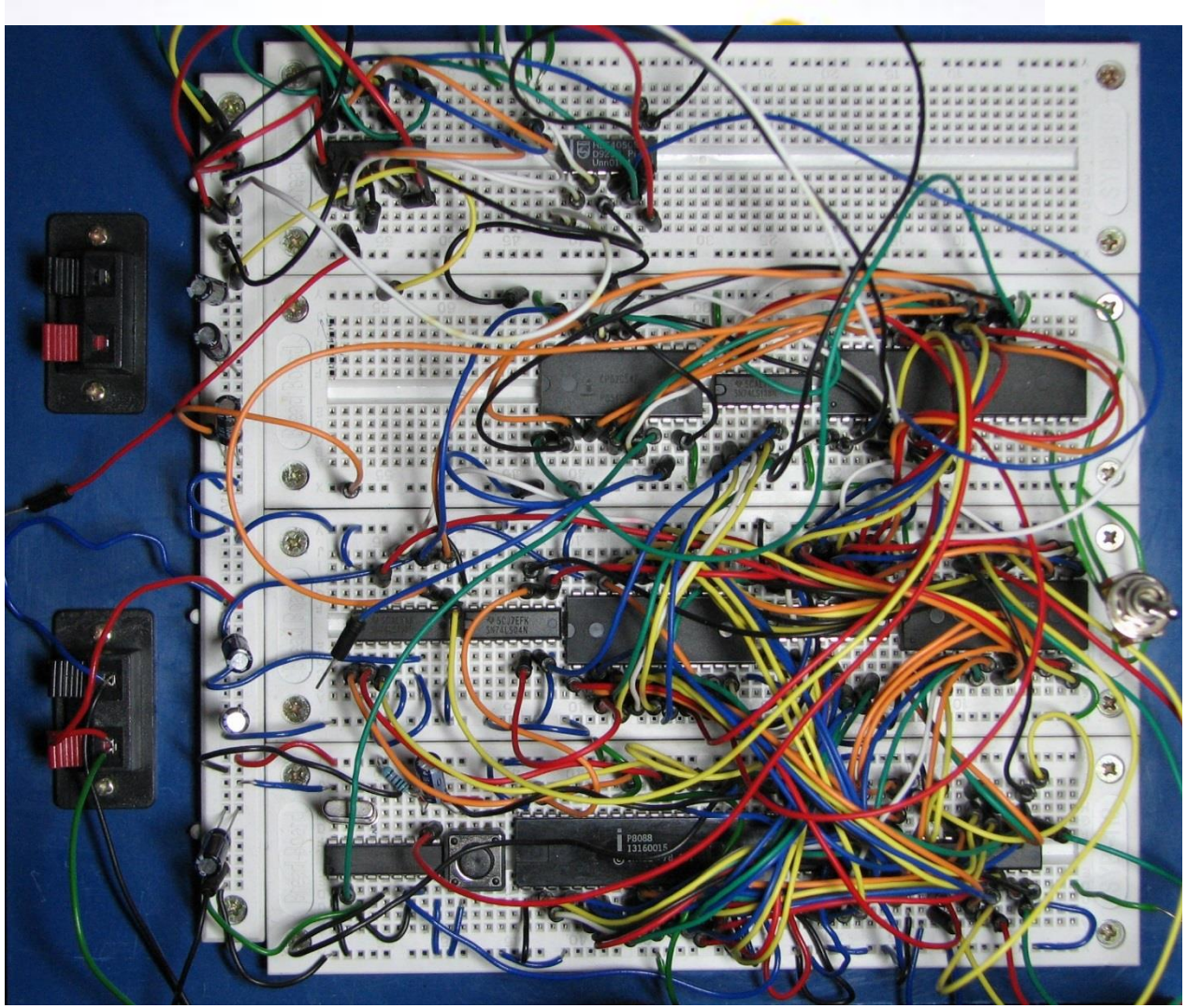
HOW BREAD BOARDS WORK

WHAT TO ADD?

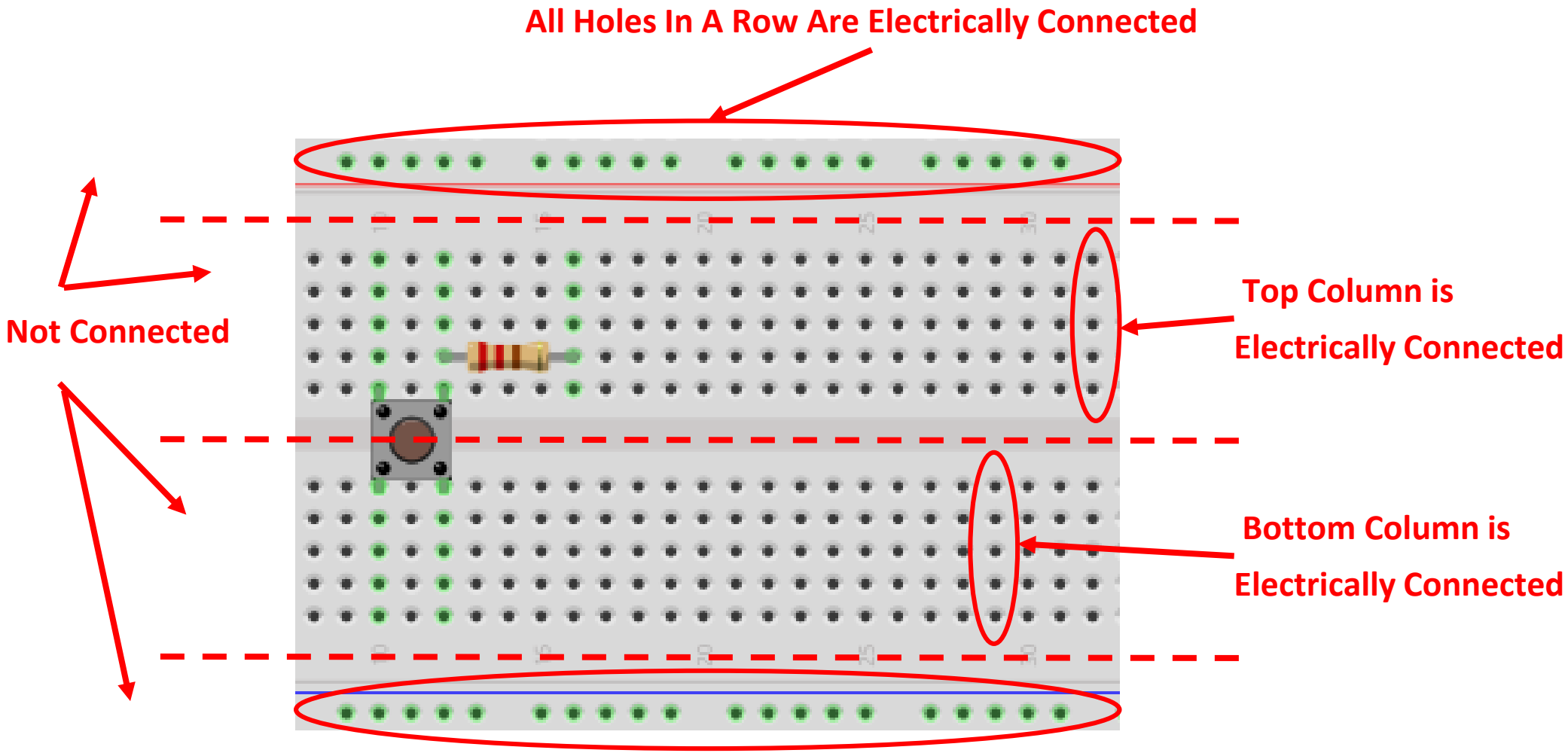
- 8/14/2017 - Add section on testing resistor and measuring ohms
- 8/14/2017 - Add a section on testing the power supply

WHAT IS A BREAD BOARD?

- The **breadboard** derives its **name** from an early form of point-to-point construction. In the early days of radio, amateurs would nail copper wire or terminal strips to a wooden board (often literally a board for cutting bread), and solder electronic components to them.



How does the breadboard work?

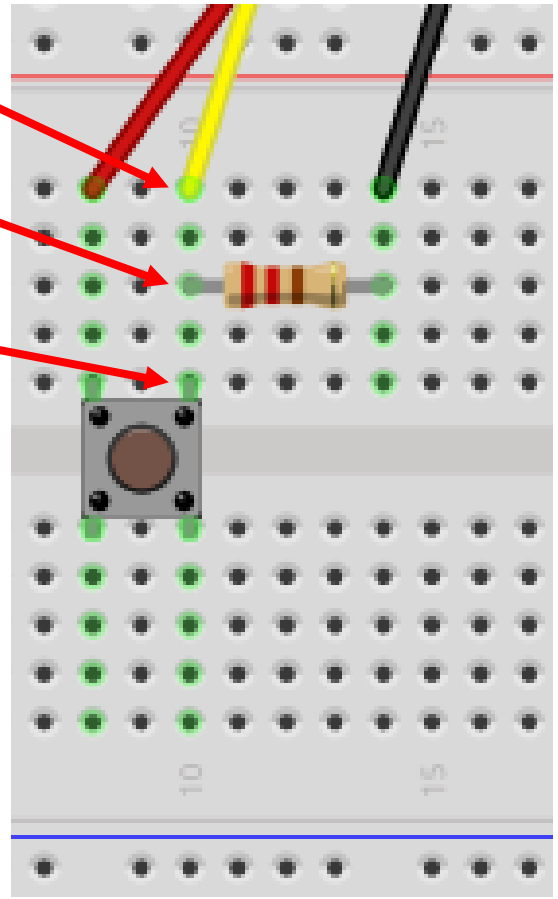


Rows & Rows of Electrical Connections

This Yellow Wire is Connected to

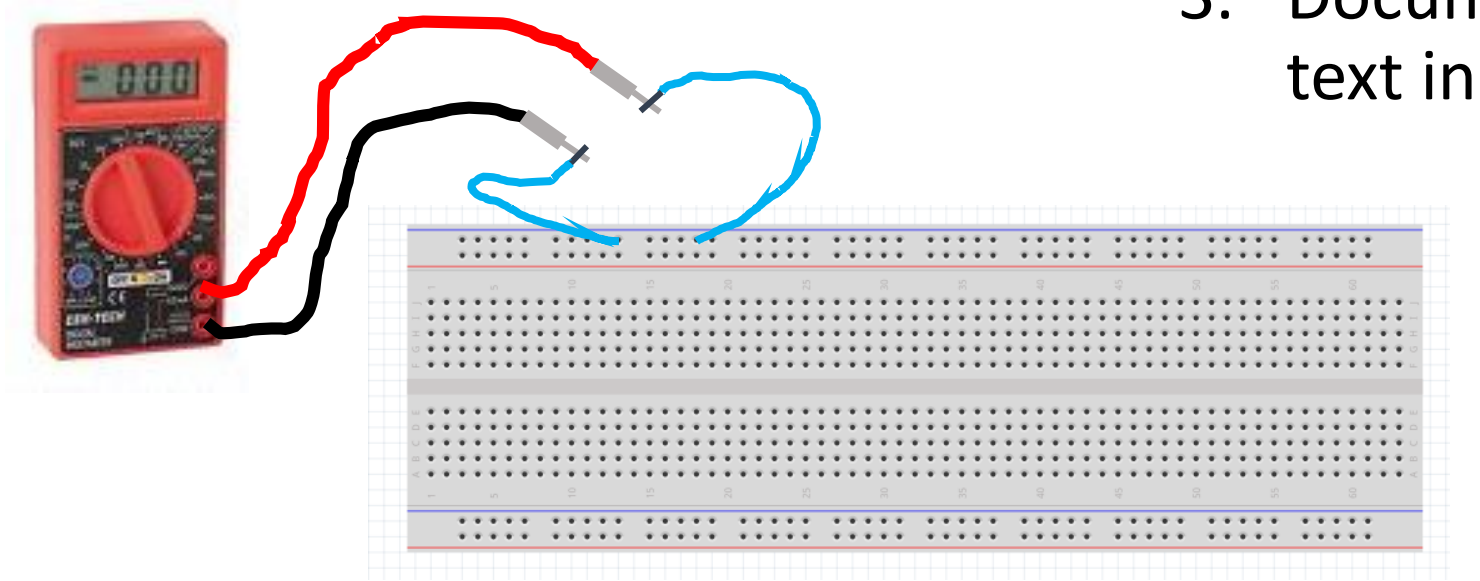
this Resistor pin and

this pin on the Button



BREADBOARD LAB

- Use A Digital Multi Metter (DMM) to probe the breadboard connections
- Use the Breadboard wires

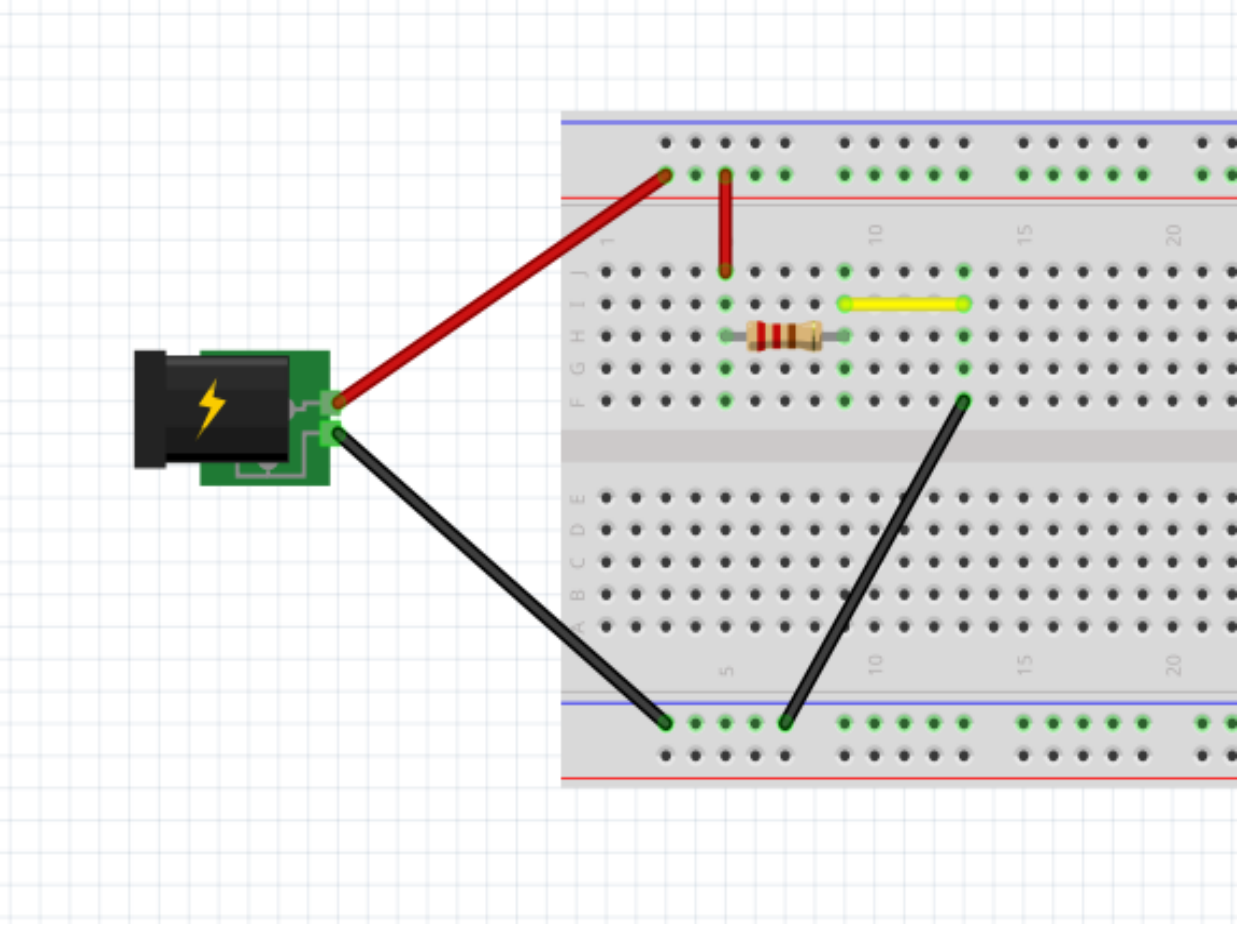


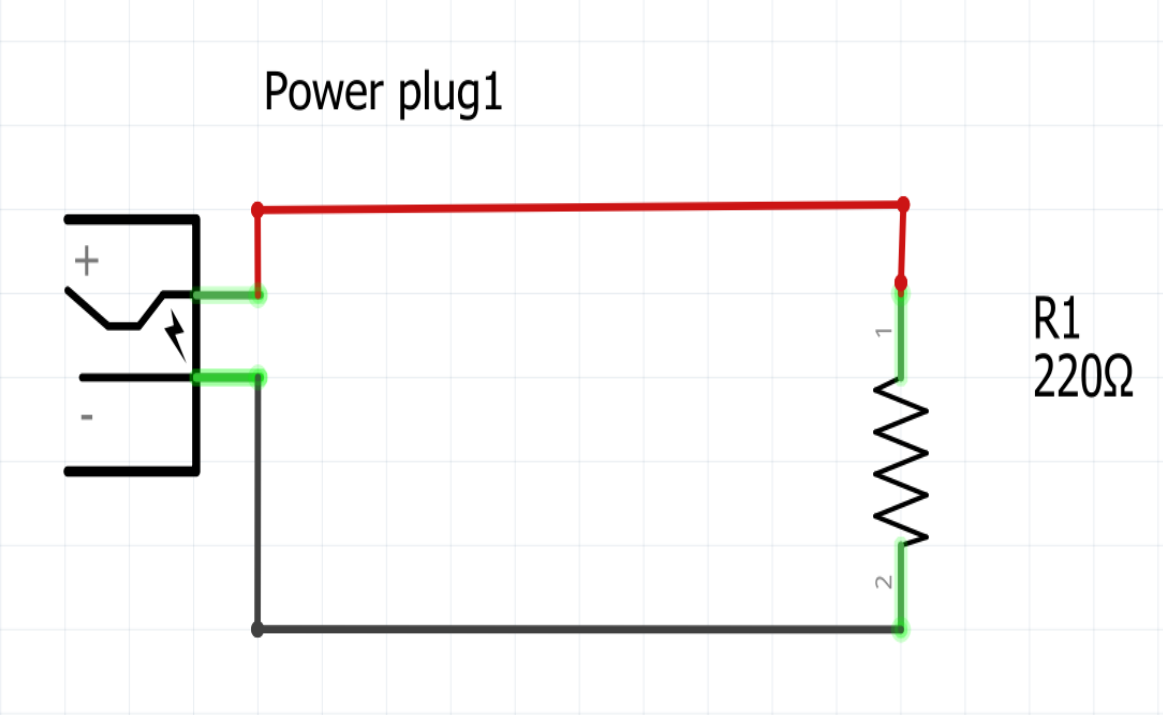
1. Set the DMM to Ω (to measure Resistance)
2. Test and verify what sections are connected
   - How do you know? Explain how the DDM works
3. Document with drawings and text in your lab books

How to Document this Lab

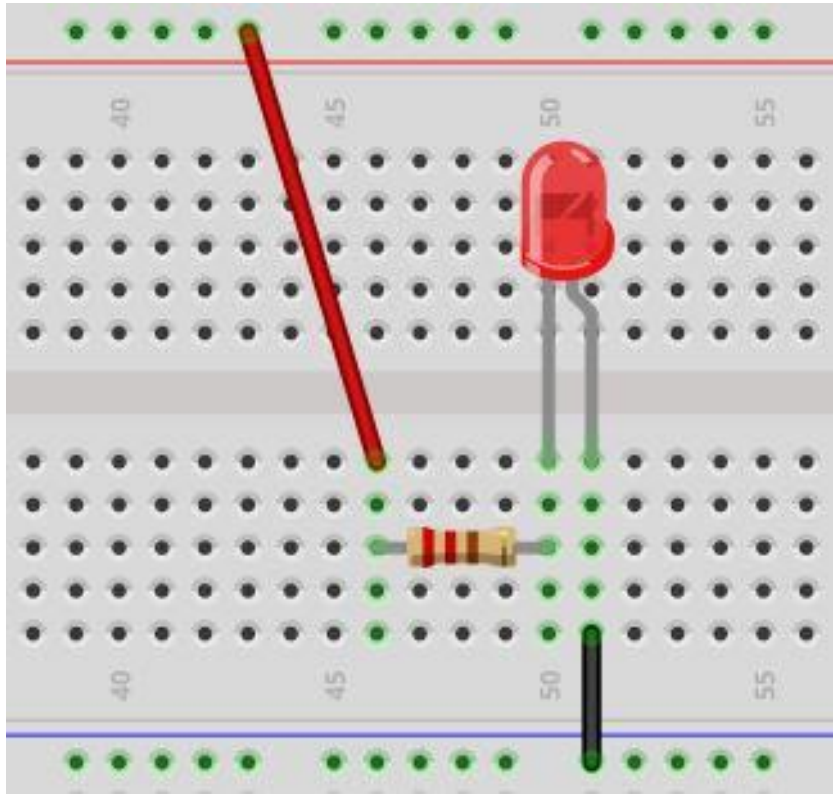
- On the next blank page
  - List your name
  - List your partners name
  - Note the date and time
- Draw a representation of the breadboard that you have
- Experiment with different connections
- Document what rows and columns are electrically connected

Bread boarding a resistor circuit

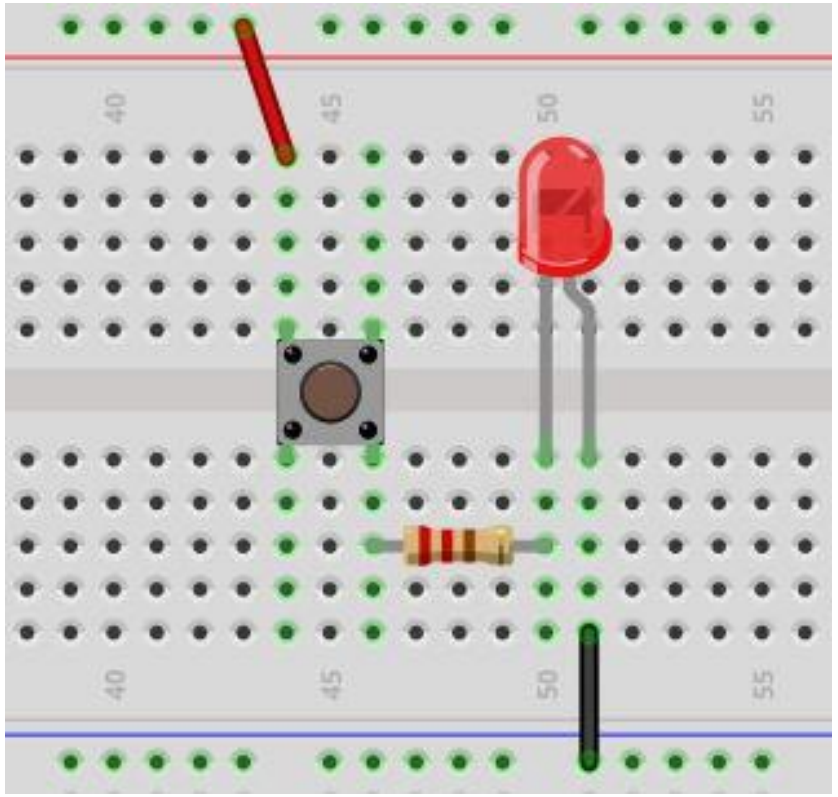




BREAD BOARDING AN LED CIRCUIT



JUST TURNS ON...



CONTROLLED BY A SWITCH...