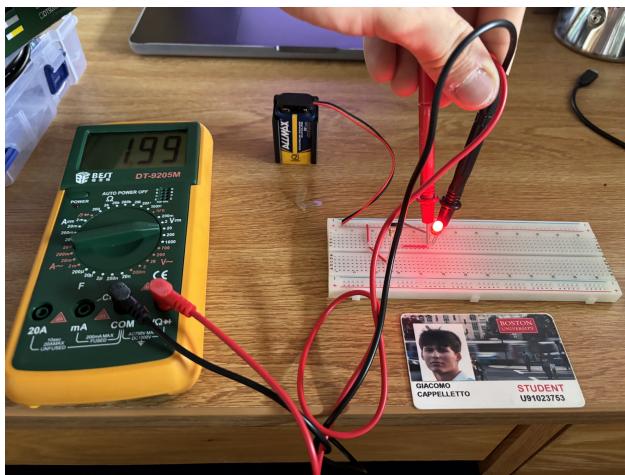
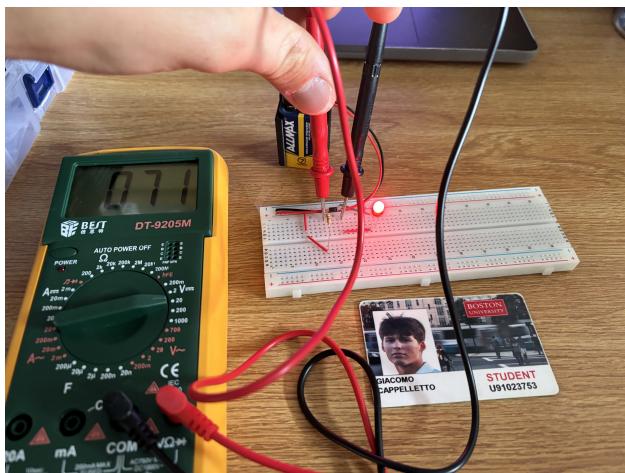


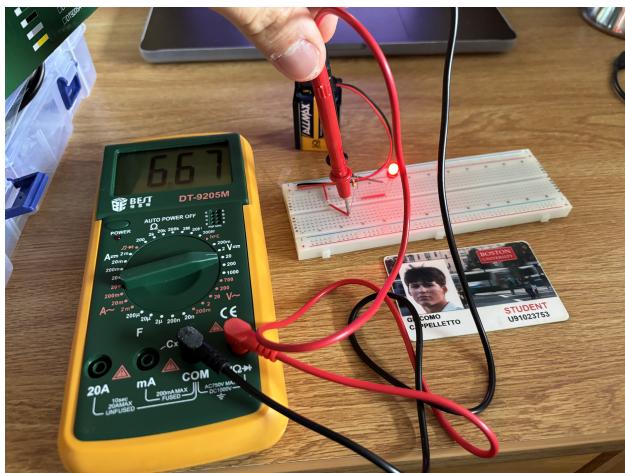
B



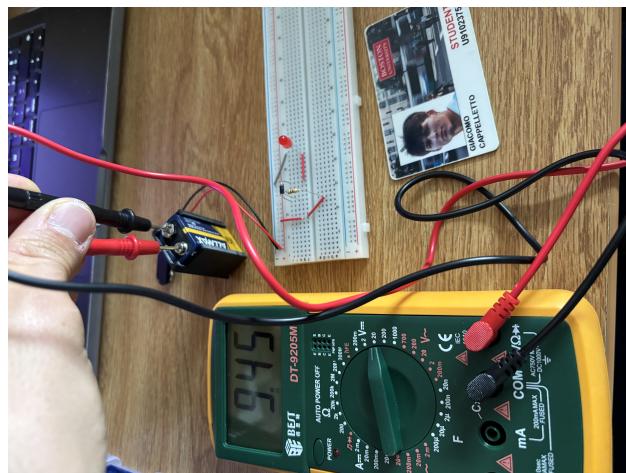
C



D



E

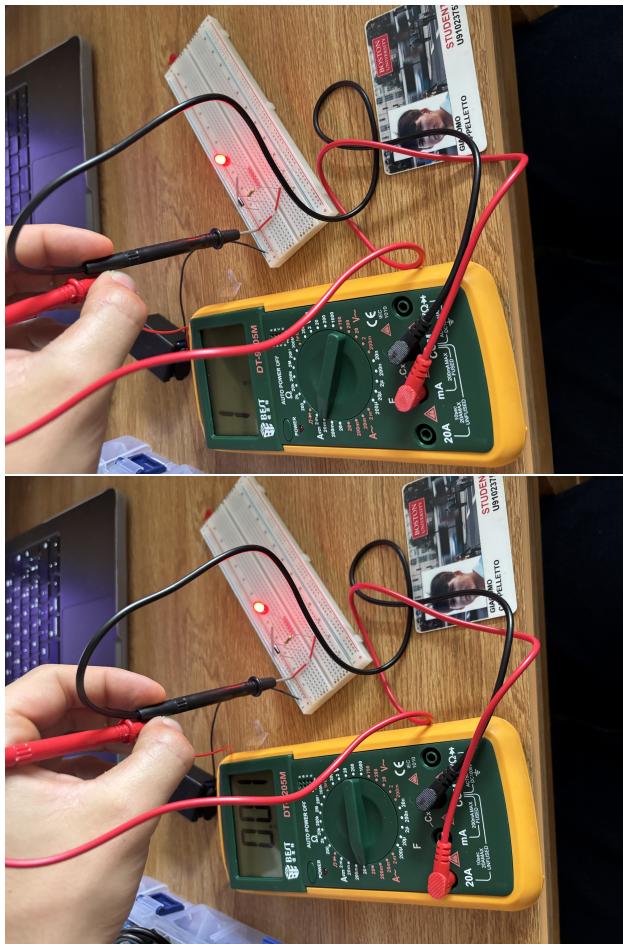


F

$$1.99 + 0.71 + 6.67 = 9.37 \approx 9.45$$

The measured value of the total voltage as a sum of the components of the circuit is close to the theoretical value, but off by 0.08 volts. This is a small error, and is likely due to the tolerance of the resistors used in the circuit. The resistors have a tolerance of 5%, which means that their actual resistance can vary by 5% from the nominal value. This can lead to small errors in the calculated voltage drop across each resistor, and thus in the total voltage.

G



H

Assuming no resistance in the wires, and knowing that ideal diodes and Light Emitting Diodes have 0 resistance, the current should be

$$I = \frac{V}{R} = \frac{9.45}{470} = 0.0201A$$