

Resistor values:		
	Resistance (nom)	Resistance (measured)
R1	43ohm	43.702ohm
R2	100ohm	99.935ohm
R3	220ohm	218.560ohm
R4	470ohm	463.62ohm

Current				
	Measured in lab	Tinkercad	Theoretical (nom)	Theoretical (measured)
R1	14.895mA	15.3mA	15.35mA	15.285mA
R2	13.084mA	13.4mA	13.4mA	13.33mA
R3	1.9003mA	1.94mA	1.94227mA	1.9527mA
R4	1.9215mA	1.94mA	1.9423mA	1.9527mA

The variations in the theoretical currents obtained from the nominal values and the measured values of resistance exist as a result of the error between the measured resistance and the ideal nominal resistance.

The difference in currents obtained from the tinkercad model and the actual lab experiment or the theoretical nominal values exist as a result of internal resistance not accounted for in calculations. This resistance exists in the wires as well as the DC supply. Systematic error caused by improper handling and calibration of the devices is another source of error that contributes to the variations in current values between the measured and theoretical values.