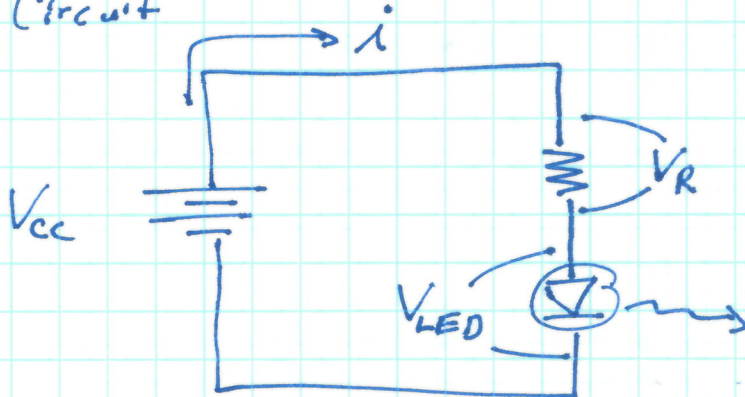


Homework 6

Two students work present. They did not have same LED's

Data: Current, Resistance, V_{LED} , V_R columns

Circuit



$V_{cc} \approx 5V$ (Arduino Supply Voltage)

Expect to see loop Equation of

$$V_{cc} - V_{LED} - V_R = 0$$

or

$$IR = V_{cc} - V_{LED}$$

Uncertainties

$$V_{cc} + V_{LED} + V_R \pm 0.01 \text{ Volt}$$

$$I \pm 0.1 \text{ mA}$$

$$R \pm 5\% \text{ (Gold-band Resistors)}$$