Insert your name on the top of this word document, and save the file with your lastname substitutions for LASTname in the filename.

1. Make one Hypothes.is annotation on an external source dealing with an introduction to electric circuits (2 pts)

2. Write a new program that makes your red light “breathe”. Have the light take 2 seconds to gradually go to your brightest setting, stay full on for 1 second, and then take two seconds to go back to off. Have it cycle through 5 times. (10 points)

3. Write a program that makes a traffic light, either with 3 different LED lights or your borrowed RGB LED light. You need to have a red light, a green light and a yellow light. It must also function in the proper order of a traffic light. Have the program ask the user for the time in seconds that each light should stay on. When the program runs, it should continuously cycle through the lights, with each light staying on for as long as the user has identified. For example, the lights might be red for 10 seconds, green for 10 seconds, and then yellow for 2 seconds. (10 points)