Lab 2. Traffic Light.

La 2. Traffic Light

Hardware Required

- Arduino board (e.g., Arduino Uno)
- 6 LEDs (Red, Yellow, and Green; 2 of each color)
- 6 resistors (220 ohms)
- Breadboard
- Jumper wires

Open the link below:

TrafficLight.pdf (https://slcc.instructure.com/courses/1004604/files/167792234?wrap=1) (https://slcc.instructure.com/courses/1004604/files/167792234/download?download_frd=1)

TrafficLighySchematic.jpeg (https://slcc.instructure.com/courses/1004604/files/165676788/download?wrap=1) (https://slcc.instructure.com/courses/1004604/files/165676788/download?download_frd=1)

Program in C using Arduino's IDE:

TrafficLight.ino (https://slcc.instructure.com/courses/1004604/files/165676802/download?wrap=1) (https://slcc.instructure.com/courses/1004604/files/165676802/download?download_frd=1)

Program in MIPS using Atmel Studio's IDE:

TrafficLight.asm (https://slcc.instructure.com/courses/1004604/files/165676577/download?wrap=1) (https://slcc.instructure.com/courses/1004604/files/165676577/download?download_frd=1)