

Matlab Assignment 1

Traffic Light (LED) Sequence

- Contain three different colors of led light : green, yellow and red which represent the traffic light.
- Make a code that follow by the sequence when the green light up, the another 2 leds should be off. Same goes with when yellow light up, both green and red should be off. Red also the same . [From Green -> Yellow -> Red]
- Make some time gap. For example, the Green LEDs light up should stay more longer compare to the other two. (Just like the traffic light)
- ***Sequence will be Green On, after a while off, Yellow ON then off after 1 sec, Red ON, then off . Goes back the green ->yellow -> red. Never end, unless command it***

Read and Display Digital and Analog Pin

- This part is regarding, you give the digital and analog an input , then the matlab will provide the solution from those input

> Not quite sure at below one<

- Write code if analog: Variable Resistance when turn should show different voltages value
- For digital when u press button should show 1 and if no press should show 0

[Not so sure regarding this, just do what you understand based on the title]

Input/Output Control Traffic Light

- This part is partially based on the controlling of input/output of the traffic light
- Let use pedestrian walk as an example: Imagine the traffic light was initially green, but when it pressed the button, it will turn into red.

This is as much information I could provide. Good Luck