



Task 1

SBE 303B

Delivered by team_07 :

Sara Mohamed

Ali Gamal

Nada Ashraf

Khaled Maher

Delivered to :

Eng / Sherif Abdelaziz

Prof / Ahmed Ehab

Task Components :

- 8051 IC
- 2 Buttons
- 2 Green leds
- 2 Red leds
- 2 seven-seg-common anode

Task Description :

The simulation demo is an implementation of a traffic light that works on 2 points on a cross road every point becomes green every “Max” seconds and vice versa .

The “Max” takes 2 values 30 seconds and 60 seconds and you can switch between them using the switch connected to P0.0 .

You can also change between the frequency of counting of the 7-SEG from Low(Nearly 1 second) to high (Nearly 0.2 second) and vice versa using the switch connected to P0.1 .