1. Start

2.Check the color of traffic light

3. Green light, Action: It remains for 40 seconds

1. if time < 40 seconds go to step-i
2. Check for interrupt?
3. Yes, Action: lights get reset or turns off and go back to step-3
4. NO, Action: continue the process
5. If time => 40 go to step-4

4. Amber light, Action: It remains for 15 seconds

A. if time < 15 seconds go to step-i,

i . Check for interrupt?

1. Yes, Action: lights get reset or turns off and go back to step-3
2. NO, Action: continue the process
3. If time => 15 seconds go to step-5

5. Red light, Action: it remains for 55 seconds

A. if time < 55 seconds go to step-i

i. check for interrupt?

1. Yes, Action: lights get reset or turns off and go back to step-3
2. NO, Action: continue the process

B. if time => 55 seconds go to step-6

6. Go to step-3 and repeat the same process

7. End