



G[2] = red light

G[1] = yellow light

G[0] = green light

In the base state, the green light is on and the counter is not working yet.

We can see how, when we press the Button, the green light is still turned on and the counter starts counting, this is because we have changed the state to the next one (1st state).

Later, when a few seconds have passed, the counter restarts and the ambar (yellow) light turns on, which means we have again changed the state to the next one (2nd state).

After a few seconds, the counter restarts again and the red light turns on (3rd state).

After a few seconds have passed, the green light will turn on and the counter will stop until the Button is pressed again (Again base state).

If we press the Reset button, the circuit goes back to the base state.