|  |  |  |  |
| --- | --- | --- | --- |
| Current State | Time Event (5s) | Next State | Car Behavior |
| Yellow (1) | Yes | Red (0) | Slow down (speed = max(10, current\_speed \* 0.5)) |
| Red (0) | Yes | Green (2) | Stop (speed = 0) |
| Green (2) | Yes | Off | Proceed (speed = 50 km/h) |