TrafficLightSimulator

- greenLight: int
- yellowLight: int
- redLight: int
- currentState:
- previousMs: unsigned long
- greenDuration: unsigned long
- yellowDuration: unsigned long
- redDuration: unsigned long

+ setup() : void
+ loop() : void
+ digitalWrite(pin: int, state) : void
+ pinMode(pin: int, mode)

RED — after [5 sec] — HIGH → LOW

YELLOW — after [5 sec] — HIGH → LOW

GREEN — after [5 sec] — HIGH → LOW

after [0.25 sec] (GREEN → RED)

after [0.25 sec] (YELLOW → RED)

after [0.25 sec] (GREEN → YELLOW)