## TrafficLight

- -greenPin:int -yellowPin:int -redPin:int

- -redPin:int
  -greenTime:long
  -yellowTime:long
  -redTime:long
  -previousMillis:long
  -currentstate:State
  -previousState:State
  -buttonpin:int

- -isbuttonpressed:bool -MIN\_GREEN\_TIME:const long
- -pedGreenPin:int -pedRedPin:int
- + trafficlight(g,y,r,gTime,y,Time,rTime) +begin()

- +setup()
  -switchto(nextState:State)
  -turnOn(pin:int)