

```
1  左右 = False
2
3  def on_forever():
4      global 左右
5      if maqueen.ultrasonic(PingUnit.CENTIMETERS) < 10 and maqueen.ultrasonic(PingUnit.CENTIMETERS) > 6:
6          左右 = Math.random_boolean()
7          if 左右 == True:
8              maqueen.write_led(maqueen.LED.LED_RIGHT, maqueen.LEDswitch.TURN_ON)
9              maqueen.motor_run(maqueen.Motors.M1, maqueen.Dir.CW, 100)
10             maqueen.motor_run(maqueen.Motors.M2, maqueen.Dir.CW, 0)
11             basic.pause(200)
12             maqueen.write_led(maqueen.LED.LED_RIGHT, maqueen.LEDswitch.TURN_OFF)
13         if 左右 == False:
14             maqueen.write_led(maqueen.LED.LED_LEFT, maqueen.LEDswitch.TURN_ON)
15             maqueen.motor_run(maqueen.Motors.M1, maqueen.Dir.CW, 0)
16             maqueen.motor_run(maqueen.Motors.M2, maqueen.Dir.CW, 100)
17             basic.pause(200)
18             maqueen.write_led(maqueen.LED.LED_LEFT, maqueen.LEDswitch.TURN_OFF)
19         elif maqueen.ultrasonic(PingUnit.CENTIMETERS) <= 6 and maqueen.ultrasonic(PingUnit.CENTIMETERS) != 0:
20             maqueen.motor_run(maqueen.Motors.ALL, maqueen.Dir.CCW, 100)
21         else:
22             maqueen.motor_run(maqueen.Motors.ALL, maqueen.Dir.CW, 100)
23     basic.forever(on_forever)
```