

```
import RPi.GPIO as GPIO
IS_REGULAR = True

def regular():
    while True:
        if not GPIO.input(channel) and not IS_REGULAR:
            for col in [red, yel, gre]:
                col.on()
                sleep(2)
                col.off()
            if not IS_REGULAR: break
def callback(channel):
    global IS_REGULAR
    IS_REGULAR = False

    print('Emergency vehicle detected')
    red.off()
    yel.off()
    gre.on()
    sleep(5)
    gre.off()

    IS_REGULAR = True
```