

```
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
```