

## Capítulo 14 para Python

```
from spike import PrimeHub, App, Motor
from spike.control import Timer, wait_for_seconds

hub = PrimeHub()
app = App()
dial = Motor('B')
lock = Motor('C')
dial_cover = Motor('E')
timer = Timer()

dial.set_default_speed(75)
lock.set_default_speed(75)
dial_cover.set_default_speed(75)

def unlock():

while not hub.left_button.is_pressed() and dial.get_degrees_counted() < 180:
    hub.speaker.beep(60)
    dial_cover.run_for_degrees(15)
    wait_for_seconds(0.8)

    if timer.now() > 5:
        app.play_sound('Bonk')
        return

hub.light_matrix.show_image('NO')
wait_for_seconds(2)
hub.light_matrix.show_image('YES')
dial_cover.run_to_position(0)
lock.run_for_seconds(1)
app.play_sound('Wand')
wait_for_seconds(5)

# Esto bloquea la puerta y arranca el mecanismo de protección adicional.

hub.speaker.beep(60)
hub.speaker.beep(72)
lock.run_for_seconds(-1)
dial.run_to_position(0)
dial_cover.run_to_position(0)
dial.set_degrees_counted(0)
dial.set_stop_action('coast')
hub.light_matrix.show_image('NO')
timer.reset()
unlock()
```