

Capítulo 13 para Python

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from spike import PrimeHub, Motor, LightMatrix
from spike.control import wait_for_seconds, wait_until
from spike.operator import greater_than

hub = PrimeHub()
lock_motor = Motor('C')
dial_motor = Motor('B')
lock_motor.set_default_speed(50)

hub.speaker.beep(60)
hub.speaker.beep(72)

#Esto cierra la puerta
dial_motor.set_stop_action('coast')
dial_motor.run_to_position(0)
dial_motor.set_degrees_counted(0)
hub.light_matrix.show_image('NO')

#Esto desbloquee la puerta al pulsar el botón izquierdo del Hub.
hub.left_button.wait_until_pressed()
hub.speaker.beep(72)
wait_until(dial_motor.get_degrees_counted, greater_than, 180)
hub.speaker.beep(60)
lock_motor.run_for_seconds(1)
hub.light_matrix.show_image('NO')
wait_for_seconds(2)
hub.light_matrix.show_image('YES')
wait_for_seconds(5)
```