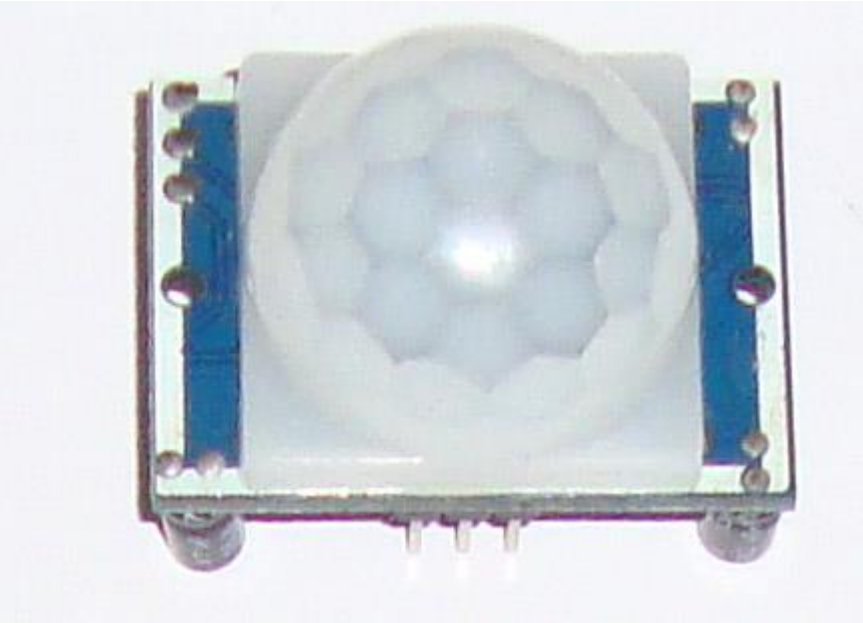
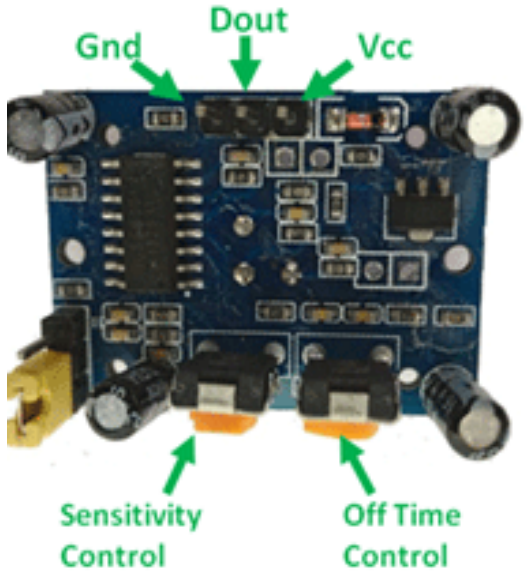
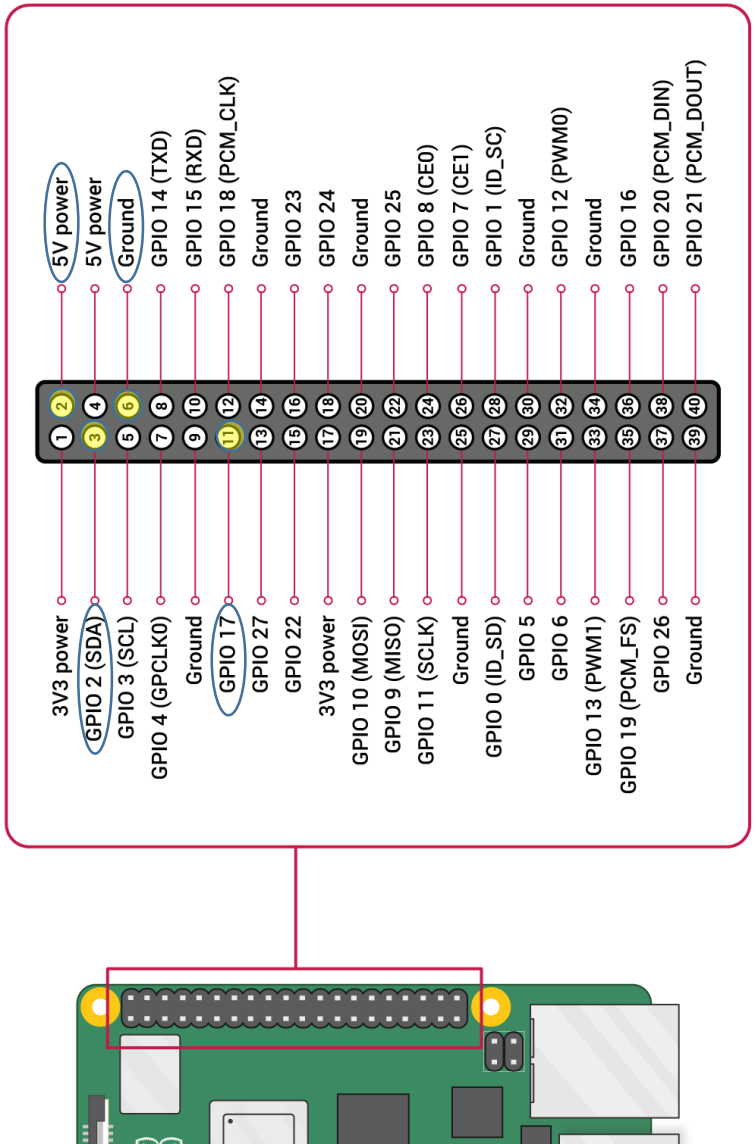
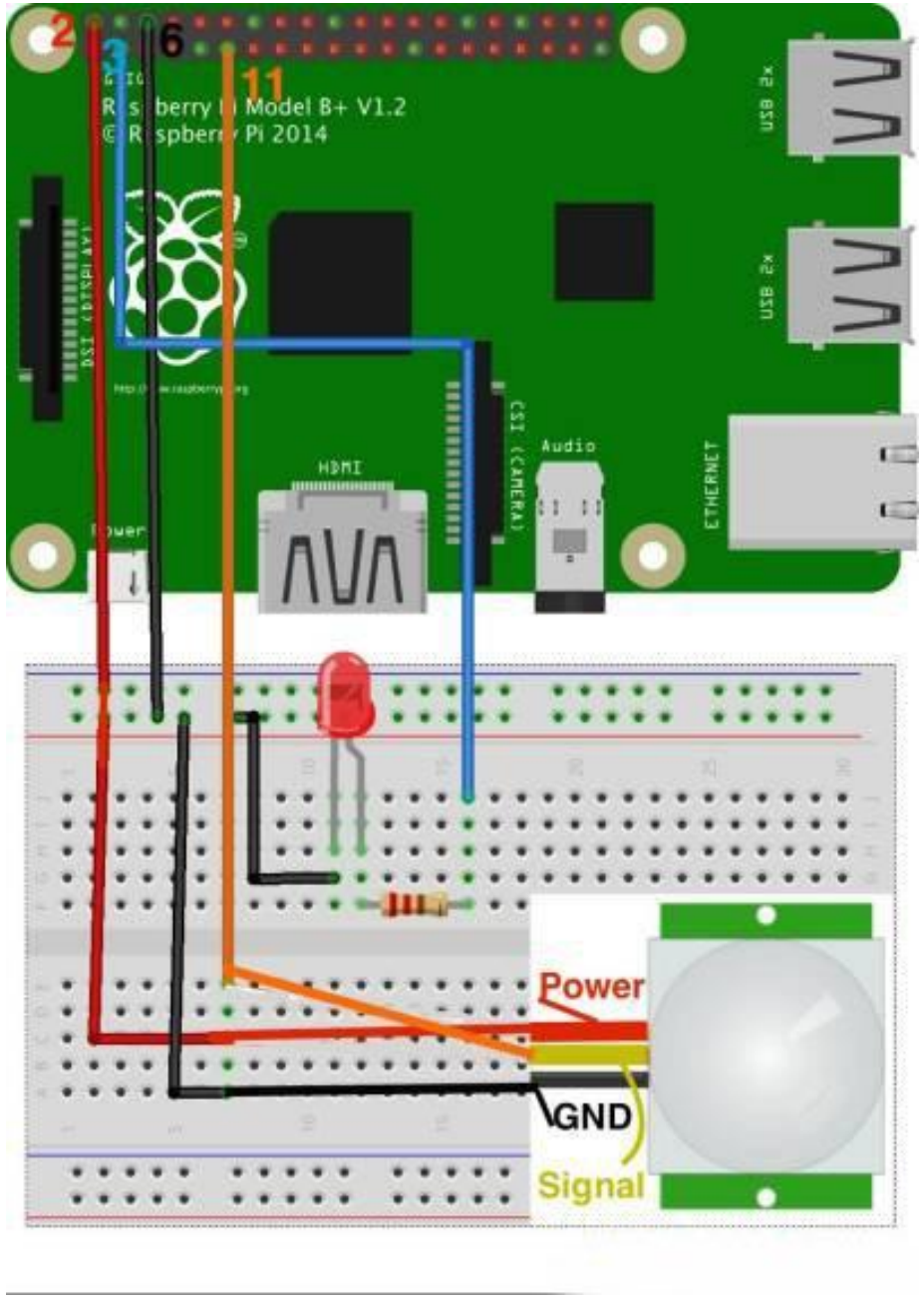
PIR Motion Sensor





Motion sensor + LED



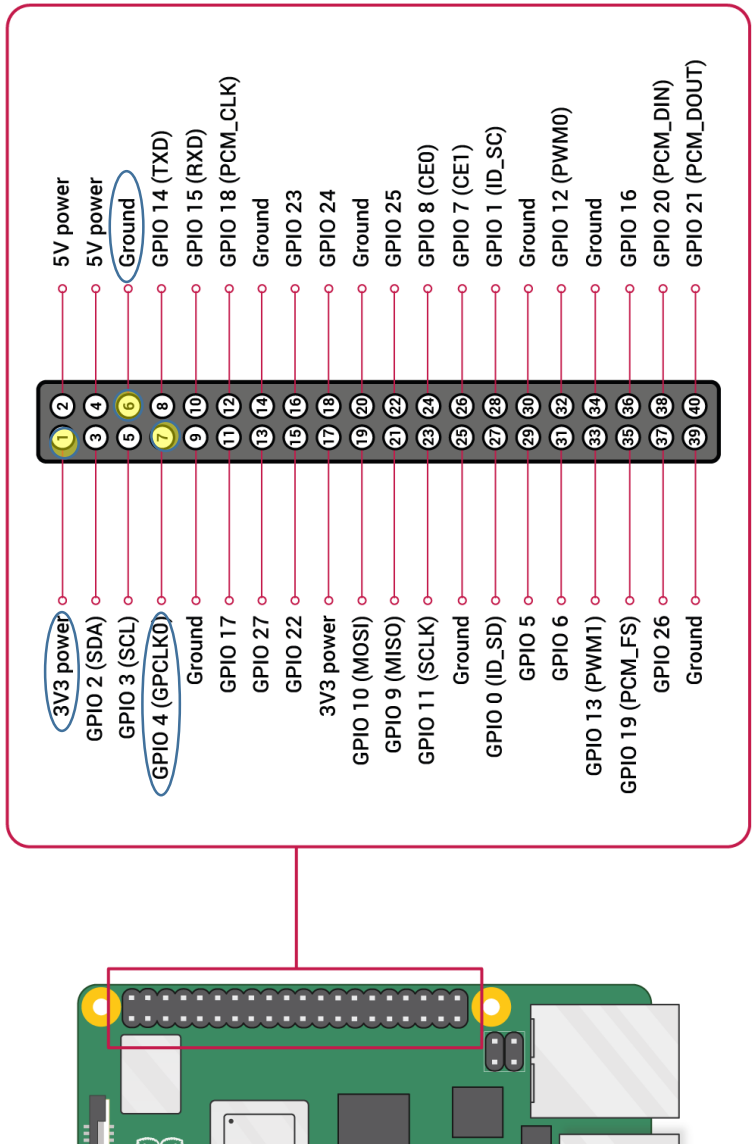


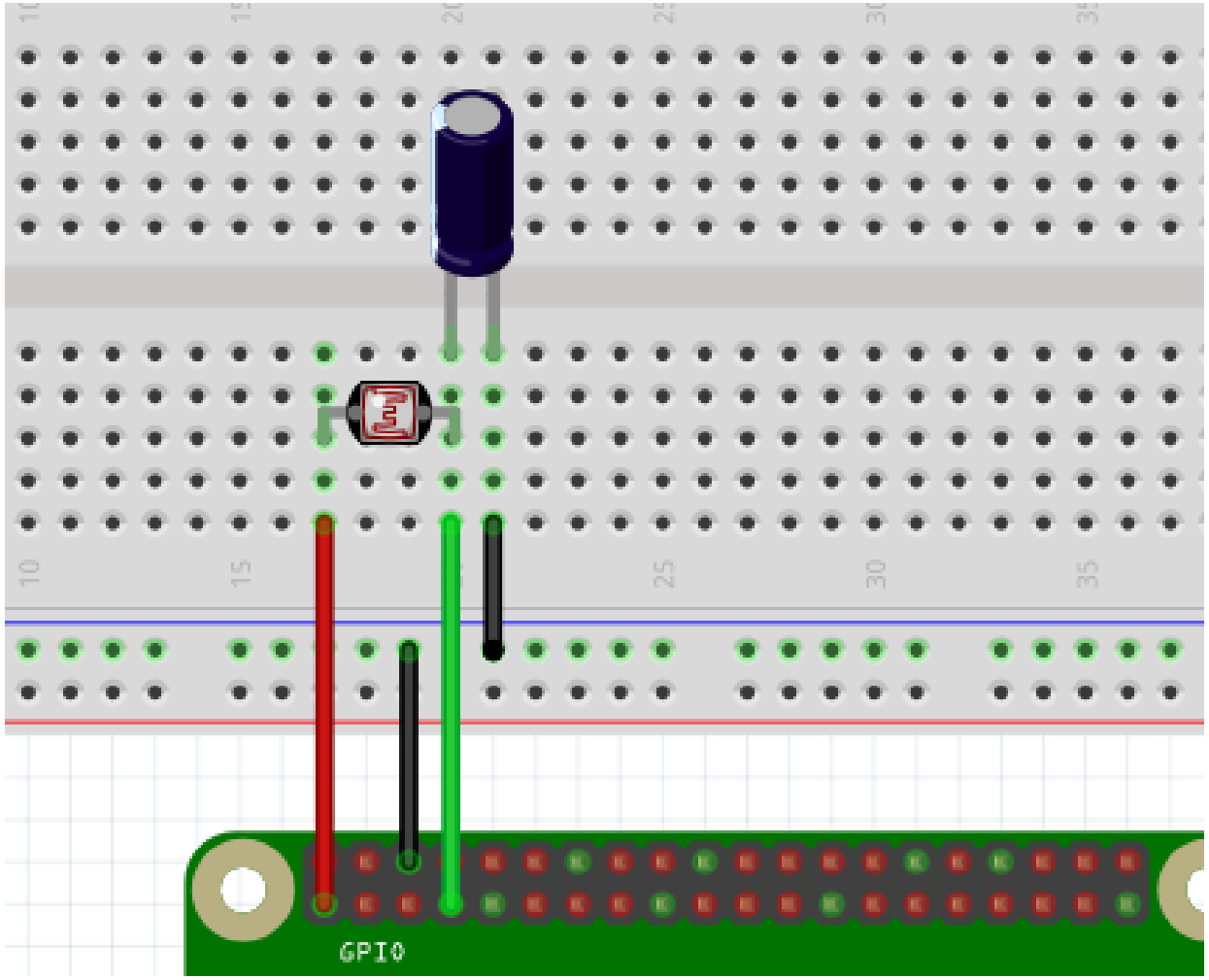
Example idea:

- Smart night light
  - When there is motion → turn on light
  - When there is no motion → turn off light

- Hints:
  - pir = MotionSensor(2)
  - pir.wait_for_motion()
  - pir.wait_for_no_motion()
  - https://gpiozero.readthedocs.io/en/stable/api_input.html#motionsensor-d-sun-pir

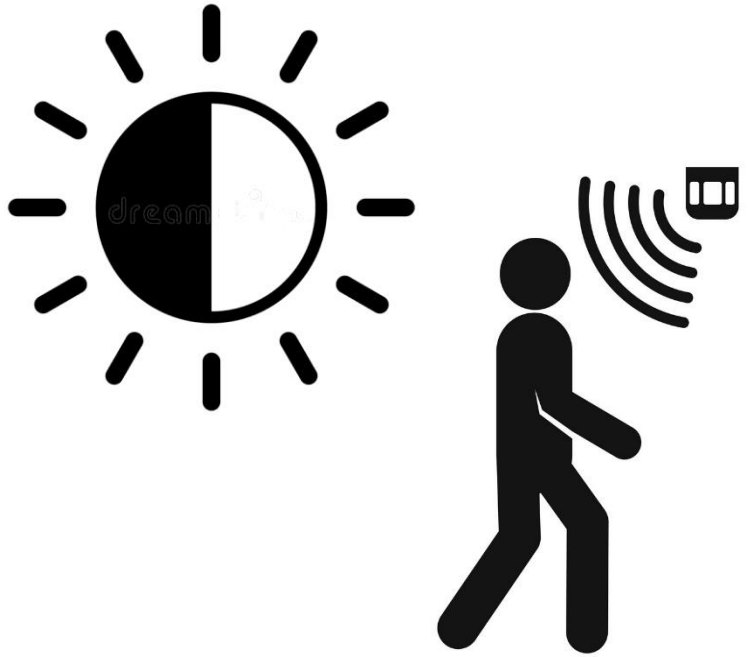
Motion sensor + LED + LDR





Example idea:

- Smart'ER' night light
  - Night light turns on/off based on both:
    - The environment's brightness
    - The detected motion



- Hints:
  - pir = MotionSensor(2)
  - ldr = LightSensor(4)
  - https://gpiozero.readthedocs.io/en/stable/api_input.html#motionsensor-d-sun-pir
  - https://gpiozero.readthedocs.io/en/stable/api_input.html#lightsensor-ldr