**30 Second Script**

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Bee Tracker is a smart bee hive that keeps track of the population of bees inside the hive. In order to do this, I have cut a piece of acrylic that will cover the entrance of the hive that has holes for bees to enter and exit. On either side of each gate, an IR optical Interrupter sensor is mounted. These sensors are wired to a Raspberry Pi 3, with dedicated GPIO pins going to the signal pin of each sensor. The Raspberry Pi is running Python code that detects in which order a signal is received from the sensors and increments or decrements the counter accordingly as well as blinks the LED. As you can see, when I pass an object through the entrance, the counter increments and the LED blinks. Thank you.