Creative Computing

Line Sensing: Forwards/Stop

```
while True:
        left_sensor = pin2.read_analog()
        right_sensor = pin1.read_analog()
        if left_sensor >= 100 and right_sensor >= 100:
                display.show(Image.ARROW_N)
                sleep(100)
        else:
                display.show(Image.HAPPY)
                sleep(100)
```

Creative Computing

Line Sensing: Left/Right

```
if both sensors on the line:
    go forwards
if only one sensor on the line:
    turn in one direction
if other sensor on the line:
    turn in other direction
else:
    stop
```

extra statements go between your first 'if', but before 'else'

So far, you have used 'is greater than or equal to 100' **>=100**
This is True when the sensor is on the line.

To detect when the sensor is off the line, you can use 'less than 100' **<100** (note the direction of the < >)

Questions!

- Which direction should it turn in when it is off the line? Which wheel will need to move?
- What would happen if we used **<=** instead of **<**? What if the reading was exactly 100?