



This screenshot shows the same simulation as above, but with the code editor open. The code is for a PIR sensor that turns on a light bulb when triggered. The simulator time is 00:00:24.

PIR Sensor
Name 1

```

1 float x,y;
2 void setup ()
3 {
4   pinMode(12,INPUT);
5   pinMode(5,OUTPUT);
6   pinMode(A4, INPUT);
7   Serial.begin(9600);
8 }
9 void loop ()
10 {
11   x=digitalRead(12);
12   y= analogRead(A4);
13   Serial.println(x);
14   Serial.println(y);
15   if( (x>0) && (y<550))
16   {
17     digitalWrite(5, HIGH);
18     delay(5000);
19   }
20   else
21     digitalWrite(5, 0);
22 }
23

```

Serial Monitor

PROGRAM:

```
float x,y;

void setup ()
{
    pinMode(12, INPUT);
    pinMode(5, OUTPUT);
    pinMode(A4, INPUT);
    Serial.begin(9600);
}

void loop ()
{
    x=digitalRead(12);
    y= analogRead(A4);
    Serial.println(x);
    Serial.println(y);
    if( (x>0) && (y<550))
    {
        digitalWrite(5, HIGH);
        delay(5000);

    }
    else
        digitalWrite(5, 0);
}
```