





PROGRAM:

```
float x,y;
```

```
void setup ()
```

```
{
```

```
    pinMode(7, INPUT);
```

```
    pinMode(6, OUTPUT);
```

```
    pinMode(A5, INPUT);
```

```
    Serial.begin(9600);
```

```
}
```

```
void loop ()
```

```
{
```

```
    x=digitalRead(7);
```

```
    y= analogRead(A5);
```

```
    Serial.println(x);
```

```
    Serial.println(y);
```

```
    if( (x>0) && (y<550))
```

```
    {
```

```
        digitalWrite(6, HIGH);
```

```
        delay(6000);
```

```
    }
```

```
    else
```

```
        digitalWrite(6, 0); }
```