

```
float x,y,z,temp; void setup()
```

```
{
```

```
    pinMode(8,INPUT);
```

```
    pinMode(5,OUTPUT);
```

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

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

```
    pinMode(A4,INPUT);
```

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

```
}
```

```
void loop()
```

```
{
```

```
    x=digitalRead(8);
```

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

```
    z=analogRead(A4);
```

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

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

```
    temp=(double)z/1024;
```

```
    temp=temp*5; temp=temp-0.5;
```

```
    temp=temp*100;
```

```
    if((x>0))
```

```
    {
```

```
        if((y<550)&&(temp>30))
```

```
        {
```

```
            digitalWrite(5,HIGH);
```

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



```
}  
elseif((y<550)&&(temp<30))  
{  
    digitalWrite(5,HIGH);  
    digitalWrite(6,LOW);  
}  
elseif((y>550)&&(temp>30))  
{  
    digitalWrite(5,LOW);  
    digitalWrite(6,HIGH);  
}  
elseif((y>550)&&(temp<30))  
{  
    digitalWrite(5,LOW);  
    digitalWrite(6,LOW);  
}  
}  
else  
{  
    digitalWrite(5,LOW);  
    digitalWrite(6,LOW);  
}  
}
```

