



```
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);

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

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

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

    }
}
else
{

```

```
    digitalWrite(5, LOW);  
digitalWrite(6, LOW);  
  
}  
}
```