```
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);
  }
```

}