



```

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 );
    }
}

```