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const int switchPin = 4;

const int ledPin = 9;

const int ledpin = 8;

const int lamp = 7;

int switchState = 0;

void setup()

{

pinMode(ledPin, OUTPUT);

pinMode(switchPin, INPUT);

pinMode(LAMP, OUTPUT);

}

void loop()

{

int c = analogread(A0);

delay(500);

if (c<300)

{

digitalWrite(lamp, HIGH);

delay (1000);

}

else

{

digitalWrite(lamp, LOW);

delay(1000);

}

switchState = digitalRead(switchPin);

if (switchState == LOW)

{

digitalWrite(ledPin, HIGH);

delay(3000);

digitalWrite(ledPin, LOW);

}

}