//www.elegoo.com

//2016.12.9

int tDelay = 100;

int latchPin = 11; // (11) ST\_CP [RCK] on 74HC595

int clockPin = 9; // (9) SH\_CP [SCK] on 74HC595

int dataPin = 12; // (12) DS [S1] on 74HC595

byte leds = 0;

void updateShiftRegister()

{

digitalWrite(latchPin, LOW);

shiftOut(dataPin, clockPin, LSBFIRST, leds);

digitalWrite(latchPin, HIGH);

}

void setup()

{

pinMode(latchPin, OUTPUT);

pinMode(dataPin, OUTPUT);

pinMode(clockPin, OUTPUT);

}

void loop()

{

leds = 0;

updateShiftRegister();

delay(tDelay);

for (int i = 0; i < 8; i++)

{

bitSet(leds, i);

updateShiftRegister();

delay(tDelay);

}

}