int delayval = 1;

int led\_pin = 13;

int button\_pin = 2;

int num = 0;

int tmp = 0;

int button\_state;

void setup()

{

pinMode(led\_pin, OUTPUT);

pinMode(button\_pin, INPUT);

}

void loop()

{

while (digitalRead(button\_Pin) == LOW)

{

calibrate();

}

if ( num < 5 )

{

tmp = 0.25 \* ( num + 1);

delayval = 1 - tmp;

num = num + 1;

}

else

{

num = 0;

delayval = 1;

}

}

void calibrate()

{

digitalWrite(led\_pin, HIGH);

delay(delayval);

digitalWrite(led\_pin, LOW);

delay(delayval);

}