// 3. válec

#include <FastLED.h>

#define NUM\_LEDS 60

CRGB leds[NUM\_LEDS];

#define PIN 6

int a;

void setup()

{

FastLED.addLeds<WS2811, PIN, GRB>(leds, NUM\_LEDS).setCorrection( TypicalLEDStrip );

FastLED.show ();

a=0;

Serial.begin (9600);

}

void loop()

{

if (a==0)

{

{

for(int j = 59; j >=54; j--)

{ leds[j] = CRGB::Red;

}

}

{

// expanzia

for(int j = 55; j >=40; j--)

{ leds[j] = CRGB::Red;

FastLED.delay(117);

}

}

{

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Yellow;

}

}

{

// výfuk

for(int j = 40; j <60; j++)

{ leds[j] = CRGB::Yellow;

FastLED.delay(350);

leds[j] = CRGB::Black;

}

(a=a+1);

}

{

// nasávanie

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Blue;

FastLED.delay(350);

}

}

{

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Green;

}

}

{

// kompresia

for(int j = 40; j <60; j++)

{ leds[j] = CRGB::Green;

FastLED.delay(350);

leds[j] = CRGB::Black;

}

}

}

else

{

Serial.println (a);

}

{

// expanzia

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Red;

FastLED.delay(350);

}

}

{

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Yellow;

}

}

{

// výfuk

for(int j = 40; j <60; j++)

{ leds[j] = CRGB::Yellow;

FastLED.delay(350);

leds[j] = CRGB::Black;

}

}

{

// nasávanie

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Blue;

FastLED.delay(350);

}

}

{

for(int j = 59; j >=40; j--)

{ leds[j] = CRGB::Green;

}

}

{

// kompresia

for(int j = 40; j <60; j++)

{ leds[j] = CRGB::Green;

FastLED.delay(350);

leds[j] = CRGB::Black;

}

{

}

if (a > 1)

{

(a=1);

}

Serial.println ("a=");

Serial.println (a);

}

}