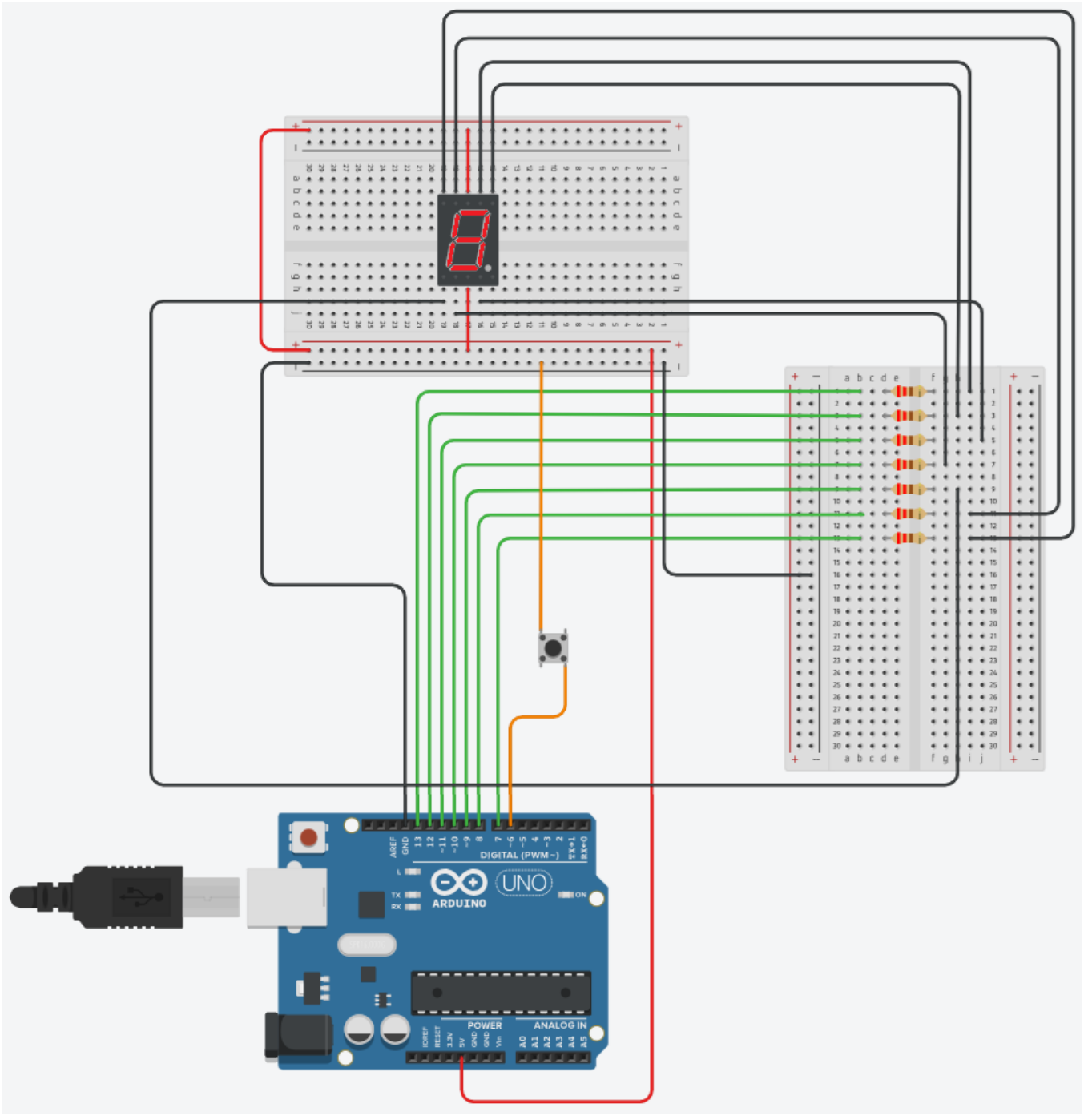
Program pre Arduino - Hádzanie kockou :)




```
// C++ code
//
int cislo;
void setup ()
{
 pinMode(13, OUTPUT);pinMode(12, OUTPUT);pinMode(11, OUTPUT);
 pinMode(10, OUTPUT);pinMode(9, OUTPUT); pinMode(8, OUTPUT);
 pinMode(7, OUTPUT);
 digitalWrite (13, HIGH);//Zhasne a//
 digitalWrite (12, HIGH);//Zhasne b//
 digitalWrite (11, HIGH);//Zhasne c//
 digitalWrite (10, HIGH);//Zhasne d//
 digitalWrite (9, HIGH);//Zhasne e//
 digitalWrite (8, HIGH);//Zhasne f//
 digitalWrite (7, HIGH);//Zhasne g//
```

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```
 pinMode(6, INPUT_PULLUP);
 }
void loop ()
{
 cislo = cislo + 1;
 if (cislo == 1){//1//
 digitalWrite (12, LOW);
 digitalWrite (11, LOW);
 digitalWrite (7, LOW);
 delay(50);
 if (digitalRead (6) == 0) {delay (3000);};
 digitalWrite (12, HIGH);
 digitalWrite (11, HIGH);
 digitalWrite (7, HIGH);
 };

 cislo = cislo + 1;
 if (cislo == 2){//2//
 digitalWrite (13, LOW);
 digitalWrite (12, LOW);
 digitalWrite (7, LOW);
 digitalWrite (9, LOW);
 digitalWrite (10, LOW);
 delay(50);
 if (digitalRead (6) == 0) {delay (3000);};
 digitalWrite (13, HIGH);
 digitalWrite (12, HIGH);
 digitalWrite (7, HIGH);
 digitalWrite (9, HIGH);
 digitalWrite (10, HIGH);
 };
 cislo = cislo + 1;
 if (cislo == 3){//3//
 digitalWrite (13, LOW);
 digitalWrite (12, LOW);
 digitalWrite (7, LOW);
 digitalWrite (11, LOW);
 digitalWrite (10, LOW);
 delay(50);
 if (digitalRead (6) == 0) {delay (3000);};
 digitalWrite (13, HIGH);
 digitalWrite (12, HIGH);
 digitalWrite (7, HIGH);
 digitalWrite (11, HIGH);
 digitalWrite (10, HIGH);
 };

 cislo = cislo + 1;
 if (cislo == 4){//4//
 digitalWrite (8, LOW);
 digitalWrite (7, LOW);
 digitalWrite (11, LOW);
 delay(50);
 if (digitalRead (6) == 0) {delay (3000);};
 digitalWrite (8, HIGH);
 digitalWrite (7, HIGH);
 digitalWrite (11, HIGH);
```

```
 };

 cislo = cislo + 1;
 if (cislo == 5){//5//
 digitalWrite (13, LOW);
 digitalWrite (8, LOW);
 digitalWrite (7, LOW);
 digitalWrite (11, LOW);
 digitalWrite (10, LOW);
 delay(50);
 if (digitalRead (6) == 0) {delay (3000);};
 digitalWrite (13, HIGH);
 digitalWrite (8, HIGH);
 digitalWrite (7, HIGH);
 digitalWrite (11, HIGH);
 digitalWrite (10, HIGH);
 };

 cislo = cislo + 1;
 if (cislo == 6){//6//
 digitalWrite (9, LOW);
 digitalWrite (8, LOW);
 digitalWrite (7, LOW);
 digitalWrite (11, LOW);
 digitalWrite (10, LOW);
 delay(50);
 if (digitalRead (6) == 0) {delay (3000);};
 digitalWrite (9, HIGH);
 digitalWrite (8, HIGH);
 digitalWrite (7, HIGH);
 digitalWrite (11, HIGH);
 digitalWrite (10, HIGH);
 };
 cislo == 0;
}
```



Odoberanie zápaliek, Prevodník, Semafór na železničnom priecestí a ďalšie Programy a zapojenia (ako súčasť mikrokurzu)



Arduino

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