

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//
  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;
}

```