## ŘEŠENÍ ÚLOH

Úkol A)

```
1
     const int row[8] = {
 2
       2, 7, 19, 5, 13, 18, 12, 16
 3
     };
4
     const int col[8] = {
5
6
      6, 11, 10, 3, 17, 4, 8, 9
7
     };
8
9
    void setup(){
         for(int i = 0; i < 8; i++){
10
             pinMode(col[i], OUTPUT);
11
             pinMode(row[i], OUTPUT);
12
13
             digitalWrite(col[i], HIGH);
14
             digitalWrite(row[i], LOW);
15
         }
16
     }
17
18
     void loop(){
         refreshScreen();
19
20
21
22
     void refreshScreen(){
23
       for(int j = 0; j < 8; j++){
24
         digitalWrite(col[j], LOW);
25
         for(int k = 0; k<8; k++){
26
           digitalWrite(row[k], HIGH);
27
         }
28
         Clear();
29
       }
30
     }
31
32
    void Clear(){
       for(int i = 0; i < 8; i++){
33
34
         digitalWrite(row[i],LOW);
35
         digitalWrite(col[i],HIGH);
36
       }
37
     }
```

```
const int row[8] = {
 1
 2
       2, 7, 19, 5, 13, 18, 12, 16
 3
     };
 4
 5
     const int col[8] = {
 6
       6, 11, 10, 3, 17, 4, 8, 9
 7
     };
 8
 9
     void setup(){
         for(int i = 0; i < 8; i++){
10
             pinMode(col[i], OUTPUT);
11
12
             pinMode(row[i], OUTPUT);
13
             digitalWrite(col[i], HIGH);
14
             digitalWrite(row[i], LOW);
15
         }
     }
16
17
18
     void loop(){
19
         refreshScreen();
20
     }
21
22
     void refreshScreen(){
23
       for(int j = 0; j<8;j++){
24
         digitalWrite(row[j], LOW);
25
         for(int k = 0; k<8; k++){
26
           digitalWrite(col[k], HIGH);
27
           delay(100);
28
           digitalWrite(col[k], LOW);
         }
29
30
         digitalWrite(row[j], HIGH);
31
32
     }
```