ŘEŠENÍ ÚLOH

Úkol A)

```
const int row[8] = {
  2, 7, 19, 5, 13, 18, 12, 16
};

const int col[8] = {
  6, 11, 10, 3, 17, 4, 8, 9
};

void setup(){
    for(int i = 0; i < 8; i++){
        pinMode(col[i], OUTPUT);
        pinMode(row[i], OUTPUT);
        digitalWrite(col[i], HIGH);
        digitalWrite(row[i], LOW);
    }
}

void loop(){
    refreshScreen();
}

void refreshScreen(){
  for(int j = 0; j<8;j++){
    digitalWrite(col[j], LOW);
    for(int k = 0; k<8; k++){
      digitalWrite(row[k], HIGH);
    }
    Clear();
  }
}

void Clear(){
  for(int i = 0; i<8; i++){
    digitalWrite(row[i],LOW);
    digitalWrite(col[i],HIGH);
  }
}
```

Úkol B)

```
const int row[8] = {
  2, 7, 19, 5, 13, 18, 12, 16
};

const int col[8] = {
  6, 11, 10, 3, 17, 4, 8, 9
};

void setup(){
    for(int i = 0; i < 8; i++){
        pinMode(col[i], OUTPUT);
        pinMode(row[i], OUTPUT);
        digitalWrite(col[i], HIGH);
        digitalWrite(row[i], LOW);
    }
}

void loop(){
    refreshScreen();
}

void refreshScreen(){
  for(int j = 0; j<8;j++){
    digitalWrite(row[j], LOW);
    for(int k = 0; k<8; k++){
      digitalWrite(col[k], HIGH);
      delay(100);
      digitalWrite(col[k], LOW);
    }
    digitalWrite(row[j], HIGH);
  }
}
```