```
import java.io.*;
import java.math.*;
import java.security.*;
import java.text.*;
import java.util.*;
import java.util.concurrent.*;
import java.util.function.*;
import java.util.regex.*;
import java.util.stream.*;
import static java.util.stream.Collectors.joining;
import static java.util.stream.Collectors.toList;
class Result {
  /*
   * Complete the 'spot_the_y' function below.
  * The function is expected to return an INTEGER.
  * The function accepts following parameters:
  * 1. INTEGER n
  * 2. STRING line
  */
  public static boolean check(int r, int c, int[][] board, int n, int p) {
    if(r >= n || c >= n || r < 0 || c < 0 || board[r][c] != p) {
       return false;
    }
    return true;
  public static int spot_the_y(int n, String line) {
```

```
int size = n;
    String[] data = line.split(" ");
    int[] moves = new int[data.length];
    for (int i=0; i<data.length; i++) {</pre>
       moves[i] = Integer.parseInt(data[i])-1;
    }
    //System.out.println("moves = "+Arrays.toString(moves));
    int[][] board = new int[size][size];
    int[][] adjacent = {{1,0},{-1,0},{0,1},{0,-1}};
    int[][] diagonal = {{1,1},{1,-1},{-1,1},{-1,-1}};
    boolean p1 = true;
    for (int i=0; i<moves.length; i++) {
       if (p1) {
         int r = moves[i]/size;
         int c = moves[i]%size;
         //System.out.println("moves["+i+"] = "+moves[i]);
         //System.out.println("r = "+r);
         //System.out.println("c = "+c);
         if (board[r][c] == 1) {
           board[r][c] = 0;
         }
         else {
           board[r][c] = 1;
         }
         for (int j=0; j<adjacent.length; j++) {
           if (check(r+adjacent[j][0], c+adjacent[j][1], board, size, 1)) {
              if (check(r+2*adjacent[j][0]+adjacent[j][1], c+2*adjacent[j][1]+adjacent[j][0], board, size, 1)
&& check(r+2*adjacent[j][0]-adjacent[j][1], c+2*adjacent[j][1]-adjacent[j][0], board, size, 1)) {
```

```
return
size*r+c+1+size*(r+2*adjacent[j][0]+adjacent[j][1])+c+2*adjacent[j][1]+adjacent[j][0]+1+size*(r+2*adjacent[j][1])+c+2*adjacent[j][1]+adjacent[j][0]+1+size*(r+2*adjacent[j][1])+c+2*adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adja
ent[j][0]-adjacent[j][1])+c+2*adjacent[j][1]-adjacent[j][0]+1+size*(r+adjacent[j][0])+c+adjacent[j][1]+1;
                                                                          }
                                                              }
                                                             if (check(r+diagonal[j][0], c+diagonal[j][1], board, size, 1)) {
                                                                          if (check(r-diagonal[j][0], c, board, size, 1) && check(r+diagonal[j][0], c-diagonal[j][1],
board, size, 1)) {
                                                                                       return size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*(r-
diagonal[j][0])+c+1+size*(r+diagonal[j][0])+c-diagonal[j][1]+1;
                                                                          }
                                                                          if (check(r, c-diagonal[j][1], board, size, 1) && check(r-diagonal[j][0], c+diagonal[j][1],
board, size, 1)) {
                                                                                       return size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*r+c-
diagonal[j][1]+1+size*(r-diagonal[j][0])+c+diagonal[j][1]+1;
                                                                          }
                                                                          if (check(r+2*diagonal[j][0], c, board, size, 1) && check(r+diagonal[j][0], c+2*diagonal[j][1],
board, size, 1)) {
                                                                                       return
size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*(r+2*diagonal[j][0])+c+1+size*(r+diagonal[j][1]+1+size*(r+2*diagonal[j][0])+c+1+size*(r+diagonal[j][1]+1+size*(r+2*diagonal[j][0])+c+1+size*(r+diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+s
0])+c+2*diagonal[j][1]+1;
                                                                          }
                                                                          if (check(r, c+2*diagonal[j][1], board, size, 1) && check(r+2*diagonal[j][0], c+diagonal[j][1],
board, size, 1)) {
                                                                                      return
size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*r+c+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+siz
[0])+c+diagonal[j][1]+1;
                                                                         }
                                                             }
                                                }
                                    }
                                     else {
                                                 int r = moves[i]/size;
```

```
int c = moves[i]%size;
                     //System.out.println("moves["+i+"] = "+moves[i]);
                     //System.out.println("r = "+r);
                     //System.out.println("c = "+c);
                     if (board[r][c] == 2) {
                           board[r][c] = 0;
                     }
                      else {
                           board[r][c] = 2;
                     }
                     for (int j=0; j<adjacent.length; j++) {</pre>
                           if (check(r+adjacent[j][0], c+adjacent[j][1], board, size, 2)) {
                                 if (check(r+2*adjacent[j][0]+adjacent[j][1], c+2*adjacent[j][1]+adjacent[j][0], board, size, 2)
&& check(r+2*adjacent[j][0]-adjacent[j][1], c+2*adjacent[j][1]-adjacent[j][0], board, size, 2)) {
                                       return
size*r+c+1+size*(r+2*adjacent[j][0]+adjacent[j][1])+c+2*adjacent[j][1]+adjacent[j][0]+1+size*(r+2*adjacent[j][1])+c+2*adjacent[j][1]+adjacent[j][0]+1+size*(r+2*adjacent[j][1])+c+2*adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[j][1]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i]+adjacent[i
ent[j][0]-adjacent[j][1])+c+2*adjacent[j][1]-adjacent[j][0]+1+size*(r+adjacent[j][0])+c+adjacent[j][1]+1;
                                }
                           }
                           if (check(r+diagonal[j][0], c+diagonal[j][1], board, size, 2)) {
                                 if (check(r-diagonal[j][0], c, board, size, 2) && check(r+diagonal[j][0], c-diagonal[j][1],
board, size, 2)) {
                                       return size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*(r-
diagonal[j][0])+c+1+size*(r+diagonal[j][0])+c-diagonal[j][1]+1;
                                 }
                                 if (check(r, c-diagonal[j][1], board, size, 2) && check(r-diagonal[j][0], c+diagonal[j][1],
board, size, 2)) {
                                       return size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*r+c-
diagonal[j][1]+1+size*(r-diagonal[j][0])+c+diagonal[j][1]+1;
                                 }
                                 if (check(r+2*diagonal[j][0], c, board, size, 2) && check(r+diagonal[j][0], c+2*diagonal[j][1],
board, size, 2)) {
```

```
return
 size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*(r+2*diagonal[j][0])+c+1+size*(r+diagonal[j][1]+1+size*(r+2*diagonal[j][0])+c+1+size*(r+diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+si
 0])+c+2*diagonal[j][1]+1;
                                                                                      }
                                                                                       if (check(r, c+2*diagonal[j][1], board, size, 2) && check(r+2*diagonal[j][0], c+diagonal[j][1],
 board, size, 2)) {
 size*r+c+1+size*(r+diagonal[j][0])+c+diagonal[j][1]+1+size*r+c+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[j][1]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+size*(r+2*diagonal[i]+1+siz
 [0])+c+diagonal[j][1]+1;
                                                                                      }
                                                                        }
                                                        }
                                           }
                                            p1 = !p1;
                              for (int i=0; i<size; i++) {
                                           String toPrint = "";
                                           for (int j=0; j<size; j++) {
                                                         toPrint += board[i][j]+" ";
                                           }
                                           System.out.println(toPrint);
                             }
                              return 0;
               }
}
 public class Solution {
               public static void main(String[] args) throws IOException {
                              BufferedReader bufferedReader = new BufferedReader(new InputStreamReader(System.in));
```

```
BufferedWriter bufferedWriter = new BufferedWriter(new FileWriter(System.getenv("OUTPUT_PATH")));
```

```
int n = Integer.parseInt(bufferedReader.readLine().trim());

String line = bufferedReader.readLine();

int result = Result.spot_the_y(n, line);

//System.out.println(result);

bufferedWriter.write(String.valueOf(result));

bufferedWriter.newLine();

bufferedReader.close();

bufferedWriter.close();
}
```