```java
import java.util.Scanner;

public class ConsecutiveFour {

    public static void main(String[] args) {

        int[][] grid = readAArray();

        System.out.println(isVaild(grid) ? "Consecutive array" : "Inconsecutive
array");
    }

    public static int[][] readAArray(){
        Scanner input = new Scanner(System.in);

        System.out.println("Enter a 7*7 two-dimensional array:");
        int[][] grid = new int[7][7];
        for (int i = 0; i < 7; i++)
            for (int j = 0; j < 7; j++)
                grid[i][j] = input.nextInt();

        return grid;
    }

    public static boolean isVaild(int[][] grid){
        for (int i = 0; i < 7; i++)
            if (!isConsecutive(grid[i]) )
                return true;

        for (int j = 0; j < 7; j++){
            int[] column = new int[7];
            for (int i = 0; i < 7; i++){
                column[i] = grid[i][j];
            }

            if(!isConsecutive(column) )
                return true;
        }


        int[] diagonal = new int[7];
```

```
        for (int j = 0; j < 7; j++){
            for (int i = 0; i < 7; i++){
                diagonal[i] = grid[i][j];
            }
            if(!isConsecutive(diagonal) )
                return true;
        }
        return false;
    }

    public static boolean isConsecutive(int[] diagonal){

        for (int i = 0; i < 4; i++)
            if (diagonal[i] != diagonal[i + 1] && diagonal[i] != diagonal[i + 2]
&& diagonal[i] != diagonal[i + 3])
                return true;

        return false;
    }


}
```