



☆ Polygons - Java



Identify whether four sides (given by four integers) can form a square, a rectangle or neither.

1

Input:

Each line of the input describes a single polygon, and contains four space-separated integers, which represent the length of the sides of the polygon. The input lines will follow the 'A B C D' order as in the following representation:

2

3

4

```
|-----A-----|
|                 |
|                 |
D                 B
|                 |
|                 |
|-----C-----|
```

Output:

A single line which contains 3 space-separated integers, representing the number of squares, number of rectangles and number of other polygons with 4 sides.

Note that squares shouldn't be counted as rectangles. Invalid polygons should also be counted as 'other polygons'.

Constraints

The four integers representing the sides will be such that: $-2000 \leq X \leq 2000$

(Where X represents the integer)

Sample Input:

```
36 30 36 30
15 15 15 15
46 96 90 100
86 86 86 86
100 200 100 200
-100 200 -100 200
```

Sample Output:

```
2 2 2
```

YOUR ANSWER

📘 For help on how to read input and write output in Java 7, [click here](#).



View Code Diff

Java 7



```
1  import java.io.*;
2  import java.util.*;
3  import java.text.*;
4  import java.math.*;
5  import java.util.regex.*;
6
7  public class Solution {
8      public static void main(String args[] ) throws Exception {
9          /* Enter your code here. Read input from STDIN. Print output to STDOUT */
10         Scanner sc = new Scanner(System.in);
11         int n = sc.nextInt();
12         for(int t = 0; t < n; t++) {
13             int a = sc.nextInt();
```



```
18 }  
19  
20
```

1

Line: 1 Col: 1

2

☐ Test against custom input

Run Code

Submit code & Continue

3

(You can submit any number of times)

4

📄 Download sample test cases The input/output files have Unix line endings. Do not use Notepad to edit them on windows.