

CHALLENGE J

DESCRIPTION

CLARIFICATIONS

BASE TIME LIMIT: 1 SECOND | MEMORY LIMIT: 200 MB | CONTEST CONTEST NATAL 2022 / CHRISTMAS CONTEST 2022 BY BEECROWD NATAL

beecrowd | J



Santa's Route

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Timelimit: 1

Santa Claus wants to deliver lots of gifts. But what many don't know is that in addition to spending maintaining the sleigh, it needs to have a route to deliver these gifts to children's homes. As you are the Computer Science professional, he asked for your help to develop this route by ordering the children's names by region in ascending alphabetical order (first), then by distance (from smallest to largest), and finally by children's name in ascending order.

Input

The first line of input consists of an integer N which is the number of childrens (one per line) that follow. Each child has a name (without spaces) a letter indicating the region where they live ("N" North, "S" South, "L" East and "O" West) and D which represents the distance to their home.

Output

The output will be a list of children in the order in which gifts should be delivered.

Samples Input	Samples Output
6	Antonieta
Samuel O 1	Fabricio
Fabricio L 1	Hugo
Antonieta L 1	Samuel
Emanuel S 30	Kaio
Kaio S 20	Emanuel
Hugo N 90	

CHALLENGE

LANGUAGE

J

Java 14

SOURCE CODE

```
1 import java.io.IOException;
2
3 /**
4  * IMPORTANT:
5  * O nome da classe deve ser "Main" para que
6  * Class name must be "Main" for your solution
7  * El nombre de la clase debe ser "Main" para
8  */
9 public class Main {
10
11     public static void main(String[] args) throws
12
13         /**
14          * Escreva a sua solução aqui
15          * Code your solution here
16          * Escriba su solución aquí
17          */
18
19     }
20
21 }
```

CODE YOUR SOLUTION AND SUBMIT!

SEND