

## Problem B

# List of Conquests

**Input:** standard input

**Output:** standard output

**Time Limit:** 2 seconds

In Act I, Leporello is telling Donna Elvira about his master's long list of conquests:

``This is the list of the beauties my master has loved, a list I've made out myself: take a look, read it with me. In Italy six hundred and forty, in Germany two hundred and thirty-one, a hundred in France, ninety-one in Turkey; but in Spain already a thousand and three! Among them are country girls, waiting-maids, city beauties; there are countesses, baronesses, marchionesses, princesses: women of every rank, of every size, of every age." (*Madamina, il catalogo è questo*)

As Leporello records all the ``beauties" Don Giovanni ``loved" in chronological order, it is very troublesome for him to present his master's conquest to others because he needs to count the number of ``beauties" by their nationality each time. You are to help Leporello to count.

## Input

The input consists of at most **2000** lines, but the first. The first line contains a number **n**, indicating that there will be **n** more lines. Each following line, with at most **75** characters, contains a country (the first word) and the name of a woman (the rest of the words in the line) Giovanni loved. You may assume that the name of all countries consist of only one word.

## Output

The output consists of lines in alphabetical order. Each line starts with the name of a country, followed by the total number of women Giovanni loved in that country, separated by a space.

## Sample Input

```
3
Spain Donna Elvira
England Jane Doe
Spain Donna Anna
```

## Sample Output

```
England 1
Spain 2
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**Problem-setter: Thomas Tang, Queens University, Canada**

“Failure to produce a reasonably good and error free problem set illustrates two things

**a) Lack of creativity b) Lack of commitment”**