Prefixes X38881_en

Given a sequence of lines where each line begins with an integer n ¿ 0 followed by a sequence of n lowercase words, write a program that outputs for each line the number of words that are prefixes of the first word as well as that first word itself, following the format of the examples. Note that the first word is also counted.
For example, given the following line:

```
5 lunes lun es lune luneslu
```

where its first word is ”lunes”, the words counted as prefixes are: ”lunes” (the first word itself), ”lun” and ”lune”. However, ”es” and ”luneslu” are not prefixes of ”lunes”.
In order to be valid, your program MUST implement and use the following function:

```
// Pre: p, pref are strings of lowercase letters
// Post: returns true if pref is a prefix of p, false otherwise
bool prefix (const string & p, const string & pref) {
    ...
}
```

Exam score: 2.50 **Automatic part:** 40.00%

Input

The input is a sequence of lines. Each line begins with an integer n ¿ 0 followed by a sequence of n lowercase words.

Output

For each line, the program outputs the number of words that are prefixes of the first word as well as that first word itself, following the format of the examples. Note that the first word is also counted.

Sample input 1

```
5 lunes lun es lune s
1 martes
7 jueves uev eve juv luev juee u
3 viernes vierneses viernes
2 domingo d
```

Sample output 1

```
Linea 1: 3 - lunes
Linea 2: 1 - martes
Linea 3: 1 - jueves
Linea 4: 2 - viernes
Linea 5: 2 - domingo
```

Sample input 2

Sample output 2

Problem information

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