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## Sorting words

P66705\_en

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Given several words, compute the number of appearances of each one. Print first the most common words, and use the lexicographical order to break ties.

### Input

Input consists of several cases. Every case begins with a number  $n$  between 1 and  $10^4$ , followed by  $n$  words made up only of lowercase letters.

### Output

Print the counters and the words in the right order. Print a line with 10 dashes at the end of every case.

#### Sample input 1

```
6
z
anna
abba
ivet
ivet
anna
```

```
3
hi
hi
hi
```

#### Sample output 1

```
2 anna
2 ivet
1 abba
1 z
-----
3 hi
-----
```

### Problem information

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