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## Mode

## P65538\_en

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Write a program that finds the most frequent word for every given sequence of words.

### Input

Input consists of several cases. Every case begins with a number  $n$  between 1 and  $10^5$ , followed by  $n$  words made up of only lowercase letters. A special case with  $n = 0$  marks the end of input.

### Output

For every case, print the word that appears more times. If there is a tie, print the largest word in alphabetical order.

#### Sample input 1

```
6 joan maria maria anna maria joan
2 aaa b
0
```

#### Sample output 1

```
maria
b
```

### Problem information

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