

Frequent Flyer

time limit per test: 1 second
memory limit per test: 256 megabytes
input: standard input
output: standard output

points: 100 · problem code: frequentflyer · authors: glipR, kahootist

Problem Statement

Jackson is a frequent flyer and has been to many places around the world!

Jackson has a list of n destinations he has flown to in the past. He wants to know which place he has flown to the most!

You are given a list of n flight destinations you have been to in the past, output the most frequent place you have flown to.

Input

Your first line of input will contain a single integer n : the number of destinations flown to in total. Next, n lines will follow, each containing a single string f_i : the name of a destination each.

Output

A single line, containing the name of the most frequent place Jackson has flown to.

If there is a tie, choose the place with the lexicographically (alphabetically) smallest name.

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq |f_i| \leq 100$
- Each f_i only contains English lower-case alphabet letters.

Example 1

Input

```
10
japan
hongkong
japan
hongkong
france
germany
france
germany
japan
japan
```

Output

```
japan
```

Explanation

Japan appeared more than any other location.

Example 2

Input

```
4
asia
asia
antarctica
antarctica
```

Output

```
antarctica
```

Explanation

There are 2 places with the same number of flights flown to them.

Antartica is the alphabetically smaller destination, so it should be the final output over everything else.

Template

```
n = int(input())
f = [input() for _ in range(n)]
# Continue your code here and print your final answer!
```

Solution

If you'd like to view a sample solution to this tutorial question, please click the "Read Editorial" link to the right of the problem!