



☆ HackLand Election

There are n citizens voting in this year's *HackLand election*. Each voter writes the name of their chosen candidate on a ballot and places it in a ballot box. The candidate with the highest number of votes wins the election;



Algorithmic Trader Coding Test

⌚ 02 : 56
to test end



Complete the *electionWinner* function in your editor. It has 1 parameter: an array of strings, *votes*, describing the votes in the ballot box. This function must review these votes and return a string representing the name of the winning candidate.

1

Input Format

The locked stub code in your editor reads the following input from stdin and passes it to your function:

2

The first line contains an integer, n , denoting the size of the *votes* array.

3

Each line i of the n subsequent lines (where $0 \leq i < n$) of strings contains a citizen's vote in the form of a candidate's name.

4

Constraints

- $1 \leq n \leq 10^4$

Output Format

Your function must return a *string* denoting the name of the *winner*. This is printed to stdout by the locked stub code in your editor.

Sample Input 1

```
10
Alex
Michael
Harry
Dave
Michael
Victor
Harry
Alex
Mary
```

Mary

Sample Output 1

Michael

Explanation 1

votes = {"Alex", "Michael", "Harry", "Dave", "Michael", "Victor", "Harry", "Alex", "Mary", "Mary"}

Alex, Harry, Michael, and Mary are all tied for the highest number of votes. Because Michael is alphabetically last, we return his name as the winner.

Sample Input 2

```
10
Victor
Veronica
Ryan
Dave
Maria
Maria
Farah
Farah
Ryan
Veronica
```

Sample Output 2

Veronica

Explanation 2

votes = {"Victor", "Veronica", "Ryan", "Dave", "Maria", "Maria", "Farah", "Farah", "Ryan", "Veronica"}

Veronica, Ryan, Maria, and Farah are all tied for the highest number of votes. Because Veronica is alphabetically last, we return her name as the winner.

YOUR ANSWER

We recommend you take a quick tour of our editor before you proceed. The timer will pause up to 90 seconds for the tour.

[Start tour](#)

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Original code

C



```
1 ▶ #include <stdio.h>
8
9 ▼ /*
10  * Complete the function below.
11  */
12 ▼ char* electionWinner(int votes_size, char** votes) {
13
14
15 }
16
17 ▶ int main() {
39
```


Line: 10 Col: 1

☐ Test against custom input

Run Code

Submit code & Continue

(You can submit any number of times)

 [Download sample test cases](#)
Notepad to edit them on windows.

The input/output files have Unix line endings. Do not use