

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

## W. Football

time limit per test: 2 seconds ⓘ  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

One day Vasya decided to have a look at the results of Berland 1910 Football Championship's finals. Unfortunately he didn't find the overall score of the match; however, he got hold of a profound description of the match's process. On the whole there are  $n$  lines in that description each of which described one goal. Every goal was marked with the name of the team that had scored it. Help Vasya, learn the name of the team that won the finals. It is guaranteed that the match did not end in a tie.

### Input

The first line contains an integer  $n$  ( $1 \leq n \leq 100$ ) — the number of lines in the description. Then follow  $n$  lines — for each goal the names of the teams that scored it. The names are non-empty lines consisting of uppercase Latin letters whose lengths do not exceed 10 symbols. It is guaranteed that the match did not end in a tie and the description contains no more than two different teams.

### Output

Print the name of the winning team. We remind you that in football the team that scores more goals is considered the winner.

### Examples

input	Copy
1 ABC	
output	Copy
ABC	

input	Copy
5 A ABA ABA A A	
output	Copy
A	

### → Attention

The package for this problem was not updated by the problem writer or Codeforces administration after we've upgraded the judging servers. To adjust the time limit constraint, a solution execution time will be multiplied by 2. For example, if your solution works for 400 ms on judging servers, then the value 800 ms will be displayed and used to determine the verdict.

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### → About Group



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### → Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

### Sheet #9 (General medium)

Finished