CODEFORCES β
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PROBLEMS   SUBMIT   STATUS   STANDINGS   CUSTOM TEST

A. 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 ($1 \le n \le 100$) — 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
1 ABC
output
ABC

input
5 A ABA ABA A A
output
A

Codeforces Beta Round #42 (Div. 2)

Finished

→ **Virtual participation**

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ **Problem tags**

strings

No tag edit access

→ **Contest materials**

- Announcement ✕
- Tutorial ✕