Problem H
Sobriety Test I

Time limit: **3 seconds**

Memory limit: **1024 megabytes**

Problem Description

One day, Professor Li was strolling through Ximending. He noticed several groups of students from our school hanging around, so he decided to give each of them a sobriety test to see if they were fit to go home.

Each sobriety test consisted of a random number of easy questions. If a student answered at least half of the questions correctly (inclusive), they were considered sober; otherwise, they were classified as drunk.

However, if the total number of questions was odd, the student must answer strictly more than half of the questions correctly to be considered sober.

Since there were too many students that day, Professor Li recorded all the test results in his notebook. Now that he is back at his office, he wants to figure out how many people were drunk that day so he can report it to Professor Chen. Please write a program to help Professor Li.

Input Format

The input consists of a single test case.

The first line contains an integer $N(1 \leq N \leq 1,000)$, representing the number of students recorded in Professor Li's notebook.

Each of the following N lines contains a string representing a student's test result. 'O' means the student answered a question correctly. And 'X' means the student answered incorrectly.

It is guaranteed that all 'O' characters appear before all 'X' characters. The length of each string is between 1 and 10^9.

Output Format

Please print the number of drunk students within the N students.

Technical Specification

- $1 \leq N \leq 1,000$

- The length of each string is between 1 and 10^9

Sample Input 1

```
5
OXXX
```

Sample Output 1

```
3
```

```
OOXX
OOXXX
OOOXX
XXXXXXXXXX
```