

Problem C. Supermarket

Input file: *standard input*
Output file: *standard output*
Time limit: 1 second
Memory limit: 256 mebibytes

Snuke's supermarket sells n different types of food numbered 1 through n . Some types of food are seasonal: in different months, different types of food may be sold. You are given n strings s_1, \dots, s_n with length 12. If the j -th character of s_i is 'o', the food i is sold in the j -th month. Otherwise, this character is 'x', and the food i is not sold in the j -th month.

Komaki is a customer of this supermarket. He has a list of his preference of food. The list is a permutation of $1, \dots, n$, and the first number in the list shows his favourite food, and so on. When he comes to this supermarket, he always buy the first food in his preference list among all available food. The preference list never changes, but he may buy different food in different months. Of course, if no food is sold, he can't buy anything during the entire month. You don't know Komaki's preference list. Compute the maximal possible number of different types of food Komaki may buy.

Input

First line of the input contains one integer n . i -th of next n lines contains one string s_i .

Constraints:

- $1 \leq n \leq 10^4$
- $|s_i| = 12$
- Each character in s_i is either 'o' or 'x'

Output

Output the maximal number of different types of food Komaki may buy.

Examples

standard input	standard output
3 oxooxoxoxox oooooooooooo xxxoxxxxxxox	3
5 xxxxxxxxxxxx xxxxxxxxxxxx xxxxxxxxxxxx xxxxxxxxxxxx xxxxxxxxxxxx	0

Notes

In Sample 1, if Komaki's preference list is 3, 1, 2, he will buy 1 in January, 2 in February, and 3 in April, so he will buy all types of food.

In Sample 2, Komaki won't buy anything.