

## Quasi-Isogram (isogram)

William is a fan of word-play, so of course he loves *isograms*! An isogram is a word or sentence with the peculiarity that the same letter is never used twice.



For example, the word “isogram” itself is indeed an isogram, as well as the following sentence: “The Clunky Isogram”. You can easily verify that no letter is ever re-used.

Finding out if a sentence is an isogram is child’s play, so William decided instead to look for *quasi-isograms*. We call a sentence “quasi-isogram” if it **uses each letter at most twice**. Of course, by this definition we can infer that any isogram is also a quasi-isogram.

In order to test his quasi-isogram-identification skills, William created a list of  $N$  sentences. Help him by counting how many of these are quasi-isograms!

👉 Among the attachments of this task you may find a template file `isogram.*` with a sample incomplete implementation.

### Input

The first line contains the only integer  $N$ . Each of the following  $N$  lines contains one sentence  $S_i$ .

### Output





You need to write a single line with an integer: the number of quasi-isograms among the  $N$  sentences.

## Constraints

- $1 \leq N \leq 10\,000$ .
- Each sentence  $S_i$  is between 1 and 100 characters long, and can be formed by lowercase and uppercase English letters, as well as punctuation characters.
- Throughout this problem statement, “letter” specifically denotes only one of the 26 English alphabet letters. ‘A’ and ‘a’ are two versions of the same letter.

## Scoring

Your program will be tested against several test cases grouped in subtasks. In order to obtain the score of a subtask, your program needs to correctly solve all of its test cases.

- **Subtask 1** (0 points)      Examples.  

- **Subtask 2** (30 points)      Each sentence is at most 3 characters long.  

- **Subtask 3** (50 points)       $N \leq 100$ .  

- **Subtask 4** (20 points)      No additional limitations.  


## Examples

input	output
4 Isogram The Clunky Isogram The Great Isogram The Amazing Isogram	3
5 Jumbo-stick handler Oh, my disgraceful Johnny... Sphinx of black quartz Don't quiz whacky verbs! Fly through authorized gyms	4

## Explanation

In the **first sample case**: the first two sentences are isograms, the third sentence is a quasi-isogram (as the letters ‘a’, ‘e’, ‘g’, ‘r’, ‘t’ are repeated twice), and the last sentence is neither (as the letter ‘a’ is repeated three times).

In the **second sample case**, the last sentence repeats the letter ‘h’ three times.