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.