KEYBOARDS

You work at Golitech, a world-renowned keyboard manufacturer. Keyboards produced at its factory go through rigorous testing to ensure highest quality. You work in the QA (QWERTY Assurance) department, and your job is to make sure that all letter keys a through z are functional on every keyboard. You perform the test by mashing all the letter keys on the keyboard and make sure that each letter gets entered at least once.

Input

The first line contains an integer N ($1 \leqslant N \leqslant 500$), the number of keyboards you must test. The following N lines contains one string per line, which contains all the letters you entered on each keyboard. The strings do not contain any character besides lowercase letters (a through z) and are no longer than 100 characters.

Output

Output the number of strings from keyboards that contains each letter (a through z) at least once.

Example

Input	Output
5 aabbccddeethroughzzhahahaha qwertyuiopmnbvcxzasdfghjkl thequickbrownfoxjumpsoverthelazydog aaaaaaaaaaaaaaaaaaaaaaaaa abcdeffffghijklmnopqrsttttuvwxyz	3

In the example, the answer is 3 because keyboards 2, 3, and 5 contain each letter at least once. Keyboards 1 and 4 are missing some letters.