

Anagram Count (250 points)

Introduction

Tarquin wants to learn a new language but is having trouble deciding on which one. He also likes word games involving anagrams. So he wants to know the count of anagrams for a given language.

Input Specifications

Your program will take:

- **N**: On the first line by itself, is the first input indicating number of words in the dictionary.
- N lines, each containing one word (it can be assumed there will be no duplicates).

Output Specifications

On a single line, the number of anagrams in the set.

Notes:

- An anagram is any single word which has the same letters in the same frequencies as another word from the dictionary.

Sample Input/Output

Input

```
5
Spare
Spear
Python
Parse
Ear
```

Output

```
3
```

Explanation

Spare, Spear and Parse are anagrams of each other

Input

```
4
Agree
Eager
Bin
Nib
```

Output

4

Explanation

Agree and Eager are anagrams of each other. Bin and Nib are anagrams of each other.

Input

2

Apple

Plea

Output

0

Explanation

Apple and Plea contain the same characters however Apple has an additional P.