

# Anagram Count (250 points)

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## 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

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### 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.

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## Input

2

Apple

Plea

## Output

0

## Explanation

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