# **Unique strings**

You are given **N** strings, you have to determin how many of them are **unique**. Unique means that it apperars in the input only once.

Constraints :

N <= 100000

sum of all lengths of strings <= 2\*10^6

#### Input

First line of input is number t, donating number of test cases. Next line consists of interger N. N lines follow each contaning one string.

### Output

Output asked numbers, for each test case.

## Example

Input: 1 10 aba asdf abbe aba abbe aaaa abbe aaaa abbe aaaa bbbb

#### Output:

2

Explanation, "bbbb" and "asdf" are only two strings that are unique in the input.