CODECHEF

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Making a Meal   Problem Code: **CFMM**

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Today, Chef decided to cook some delicious meals from the ingredients in his
kitchen. There are N ingredients, represented by strings $S_1, S_2, \ldots, S_N$. Chef
took all the ingredients, put them into a cauldron and mixed them up.

In the cauldron, the letters of the strings representing the ingredients completely
mixed, so each letter appears in the cauldron as many times as it appeared in all
the strings in total; now, any number of times, Chef can take one letter out of the
cauldron (if this letter appears in the cauldron multiple times, it can be taken out
that many times) and use it in a meal. A complete meal is the string "codechef".
Help Chef find the maximum number of complete meals he can make!

Input

- The first line of the input contains a single integer T denoting the number of
  test cases. The description of T test cases follows.
- The first line of each test case contains a single integer N.
- N lines follow. For each i ($1 \leq i \leq N$), the i-th of these lines contains a
  single string S_i.

Output

For each test case, print a single line containing one integer — the maximum
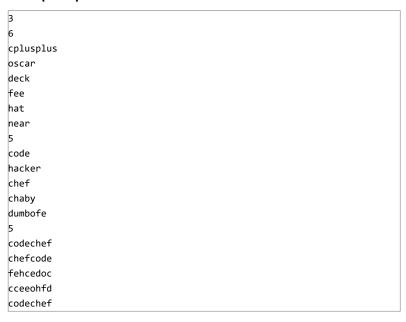number of complete meals Chef can create.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 100$
- $|S_1| + |S_2| + \ldots + |S_N| \leq 1,000$
- each string contains only lowercase English letters

Example Input

```
3
6
cplusplus
oscar
deck
fee
hat
near
5
code
hacker
chef
chaby
dumbofe
5
codechef
chefcode
fehcedoc
cceeohfd
codechef
```

Example Output

```
1
2
5
```

Explanation

Example case 1: After mixing, the cauldron contains the letter 'c' 3 times, the letter 'e' 4 times, and each of the letters 'o', 'd', 'h' and 'f' once. Clearly, this is only enough for one "codechef" meal.

Example case 2: After mixing, the cauldron contains the letter 'c' 4 times, 'o' 2 times, 'd' 2 times, 'e' 4 times, 'h' 3 times and 'f' 2 times, which is enough to make 2 meals.

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CodeChef (/) - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of **algorithms**, **computer programming**, and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and two smaller programming challenges at the middle and end of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section (/problems/easy) - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in the language of your choice. Our **programming contest** judge accepts solutions in over 55+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

Compete (/problems/easy) - Monthly Programming Contests, Cook-off and Lunchtime

Here is where you can show off your **computer programming skills**. Take part in our 10 days long monthly coding contest and the shorter format Cook-off and Lunchtime **coding contests**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), $700 (for Global Community) and lots more CodeChef goodies up for grabs.

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