Boxes of Characters

HackerRank

You are given **T** test cases. In each test case , you are given a string consisting of **small letters** and **digits**. You are given some boxes to store characters according to some rules.

The rules are really simple. You will be able to store

1. no more than **3 consonants** in a box
2. no more than **2 vowels** in a box
3. no more than **1 digit** in a box

Your task is to find out the **minimum** number of boxes needed to store all of the characters from the string.

Input Format

- The first line will contain **T**, the number of test cases.
- For every **T**, there will be a string **S**
  - string consisting of only small letters and digits.

Constraints

- 1 <= **T** <= 10000
- 1<= **|S|** <= 1000 , all characters in lowercase and digits.

Output Format

- Output a single integer number , the minimum number of boxes needed to store all of the characters.

Sample Input 0

```
3
aeiouaeiou
hello
ae12io
```

Sample Output 0

```
5
1
2
```

Explanation 0

In the first test case, there is 10 vowels in the string. So,it will take 5 boxes to successfully place them all.

In the second test case , there is 3 consonants and 2 vowels. So , it is possible to fit all the characters to a single box.