05 Hr **58** Min
25 Sec

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ONLINE EDITOR (C)

User Id

➕ Problem Description

A person, new to his job in a start-up, was given a task by his supervisor to prepare a report where the user IDs (of all the employees) is a part of the report. He fetched the user IDs from database and then used a spreadsheet function to concatenate them to share it in email as text. However, while concatenating, he forgot to put a comma (,) in between the two user IDs.

As a rule, user IDs of the portal should be minimum 4 characters and can only contain alphabets and cannot start or end with a vowel. Supervisor knows about this rule and the number of employees in the department. Therefore, he tries to guess a possible set of user IDs from the given string (of user IDs in the email). You need to find the total no. of different set of user Ids that are possible given the number of employees in the department and the string of user IDs.

➕ Constraints

1<Number of Employees<10

7<Length of user id string <51

➕ Input Format

First Line contains an integer, which provides the Number of Employees in the organization

Second Line contains a string of concatenated user ids

➕ Output

Number of possibilities of user ID sets.

➕ Test Case

➕ Explanation

Example 1

Input

2

nonajklop

Output

1

Explanation

Since supervisor knows there are only 2 user IDs and they cannot start or end with a vowel, there is only one possibility - 'nonaj' and 'klop' so there is only one probability of the user ID sets.

Example 2

Input

 3

poppolfgopjduhqertol

Output

6

Explanation

Since supervisor knows there are only 3 user IDs and they cannot start or end with a vowel, there are following possibilities -

poppol fgop jduhqertol

poppol fgopj duhqertol

poppol fgopjduh qertol

poppolf gopjduh qertol

poppolf gopj duhqertol

poppolfgop jduh qertol

Since there are six possibilities

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