

#### THE ACM-ICPC 2015

### VIETNAM SOUTHERN PROGRAMMING CONTEST Host: University of Science, VNU-HCM





# Problem E Wheel of Fortune

**Time Limit: 1 second** 

You are lucky to become an invited player for the game show Wheel of Fortune. The special award in this game show is the free ticket for you and one of your friends to enjoy the 4D Virtual Tour to explore the Moon.

Similar to the regular Wheel of Fortune, you have to guess a secret phrase S containing only no more than 100 lowercase letters  $(a \rightarrow z)$ .

You will sequentially guess a letter that might appear in the secret phrase S. If that character actually exists in S, all of its appearances in S (maybe more than one time) will be displayed.



A guess is ACCEPTED if the letter you guess appears in S (one or multiple times) and you have not guessed that letter before. Otherwise, a guess is REJECTED.

You can guess as many times as you want, but if the number of REJECTED guesses is more than or equal to K, the game is over. The game ends as soon as all letters of the secret phase are displayed.

#### Input

The input consists of multiple test cases.

The first line of input contains an integer T ( $1 \le T \le 100$ ), the number of test cases. The succeeding lines contain the test cases.

Each test case is in a single line and contains the following data, separated by single spaces:

- K: the number of REJECTED guesses must be less than this value  $(1 \le K \le 20)$
- S: the secret phase. The length of S is from 1 to 100.
- R: the sequence of letters that you guess. The number of letters in R is from 1 to 100.

### Output

For each test case, display in a single line Correct if the number of REJECTED is smaller than *K* and all characters of S are displayed. Otherwise, display Wrong.



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TP. HO CHI MINH

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#### **Sample Input**

#### **Sample Output**

| 4                    | Correct |
|----------------------|---------|
| 1 a a                | Wrong   |
| 3 hcmus hcipomsu     | Correct |
| 3 problems prsblemio | Wrong   |
| 2 acmicpc acmiccp    |         |

#### **Explanation:**

For the second test case, there are three letters you guess but do not exist in S, including 'i', 'p', and 'o'. Therefore, the number of REJECTED guesses is 3.

For the fourth test case, the first time you guess 'c' is ACCEPTED. However, you guess this letter up to three times. Therefore, the last two times you guess 'c' are REJECTED.