## Problem B. Spell Check

Time Limit 1000 ms

Mem Limit 262144 kB

Timur likes his name. As a spelling of his name, he allows any permutation of the letters of the name. For example, the following strings are valid spellings of his name: Timur, miurT, Trumi, mriTu. Note that the correct spelling must have uppercased T and lowercased other letters.

Today he wrote string s of length n consisting only of uppercase or lowercase Latin letters. He asks you to check if s is the correct spelling of his name.

## **Input**

The first line of the input contains an integer t ( $1 \le t \le 10^3$ ) — the number of test cases. The first line of each test case contains an integer n ( $1 \le n \le 10$ ) — the length of string s

The second line of each test case contains a string s consisting of only uppercase or lowercase Latin characters.

## Output

For each test case, output "YES" (without quotes) if s satisfies the condition, and "NO" (without quotes) otherwise.

You can output the answer in any case (for example, the strings "yEs", "yes", "Yes" and "YES" will be recognized as a positive answer).

## **Examples**

Input	Output
10	YES
5	YES
Timur	YES
5	YES
miurT	NO
5	NO
Trumi	NO
5	NO
mriTu	NO
5	NO
timur	
4	
Timr	
6	
Timuur	
10	
codeforces	
10	
TimurTimur	
5	
TIMUR	