GE23131-Programming Using C-2024

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Started	Tuesday, 24 December 2024, 6:53 PM
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Duration	48 mins 57 secs

Question **1**

Correct

Marked out of 1.00

Flag question

Two strings ***A*** and ***B*** comprising of lower case English letters are compatible if they are equal following this step any number of times:

· Select a prefix from the string ***A*** (possibly empty), and increase the alphabetical value o prefix by the same valid amount. For example, if the string is ***xyz*** and we select the prefix ***xy*** to ***yx*** by increasing the alphabetical value by 1. But if we select the prefix ***xyz*** then we cannot value.

Your task is to determine if given strings ***A*** and ***B*** are compatible.

Input format

First line: String ***A***

Next line: String ***B***

Output format

For each test case, print ***YES*** if string ***A*** can be converted to string ***B***, otherwise print ***NO***.

Constraints

1 ≤ len(A) ≤ 1000000

1 ≤ len(B) ≤ 1000000

SAMPLE INPUT

abaca

cdbda

SAMPLE OUTPUT

YES

Explanation

The string ***abaca*** can be converted to ***bcbda*** in one move and to ***cdbda*** in the next move.

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
	abaca cdbda	YES	YES	

Passed all tests!

Question **2**

Correct

Marked out of 1.00

Flag question

Danny has a possible list of passwords of Manny's facebook account. All passwords length is
Manny is a big fan of palindromes. So, his password and reverse of his password both should

You have to print the length of Manny's password and it's middle character.

Note: The solution will be unique.

INPUT

The first line of input contains the integer N, the number of possible passwords.

Each of the following N lines contains a single word, its length being an odd number greater
All characters are lowercase letters of the English alphabet.

OUTPUT

The first and only line of output must contain the length of the correct password and its cent

CONSTRAINTS

1 ≤ N ≤ 100

SAMPLE INPUT

4
abc
def
feg
cba

SAMPLE OUTPUT

3 b

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
	4 abc def feg cba	3 b	3 b	

Passed all tests!

Question **3**

Correct

Marked out of 1.00

Flag question

Joey loves to eat Pizza. But he is worried as the quality of pizza made by most of the restaura
few pizzas ordered by him did not taste good :(. Joey is feeling extremely hungry and wants t
confused about the restaurant from where he should order. As always he asks Chandler for h

Chandler suggests that Joey should give each restaurant some points, and then choose the re
points. If more than one restaurant has same points, Joey can choose the one with **lexicogra**

Joey has assigned points to all the restaurants, but can't figure out which restaurant satisfies
help him out?

Input:

First line has N, the total number of restaurants.

Next N lines contain Name of Restaurant and Points awarded by Joey, separated by a space. I
spaces, all lowercase letters and will not be more than 20 characters.

Output:

Print the name of the restaurant that Joey should choose.

Constraints:

$1 <= N <= 10^5$

$1 <= Points <= 10^6$

SAMPLE INPUT

3
Pizzeria 108
Dominos 145
Pizzapizza 49

SAMPLE OUTPUT

Dominos

Dominos has maximum points.

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
	3 Pizzeria 108 Dominos 145 Pizzapizza 49	Dominos	Dominos	

Passed all tests!

Question **4**

Correct

Marked out of 1.00

Flag question

These days Bechan Chacha is depressed because his crush gave him list of mobile number so some of them are invalid. Bechan Chacha has special power that he can pick his crush numbe mobile numbers. Help him to determine the valid numbers.

You are given a string "S" and you have to determine whether it is Valid mobile number or nc only if it is of length 10 , consists of numeric values and it shouldn't have prefix zeroes.

Input:

First line of input is T representing total number of test cases.

Next T line each representing "S" as described in in problem statement.

Output:

Print "YES" if it is valid mobile number else print "NO".

Note: Quotes are for clarity.

Constraints:

$1 <= T <= 10^3$

sum of string length $<= 10^5$

SAMPLE INPUT

3

1234567890

0123456789

0123456.87

SAMPLE OUTPUT

NO

Answer: (penalty regime: 0 %)

	Input	Expected	Got	
	3 1234567890 0123456789 0123456.87	YES NO NO	YES NO NO	

Passed all tests!

Save the state of the flags