Question 1
Correct
Marked out of 1.00
Flag question

 $Two strings \textbf{\textit{A}} and \textbf{\textit{B}} comprising of lower case English letters are compatible if they are equal or can be made equal by following this step any number of times:$

Select a prefix from the string A (possibly empty), and increase the alphabetical value of all the characters in the prefix by the same valid amount. For example, if the string is xyz and we select the prefix xy then we can convert it to yx by in creasing the alphabetical value by 1. But if we select the prefix xyz then we cannot increase the alphabetical value.

Your task is to determine if given strings ${\bf A}$ and ${\bf B}$ are compatible.

Inputformat

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

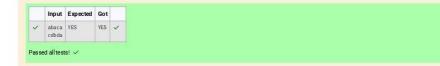
SAMPLE OUTPUT

YES

Explanation

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

```
| Finclude-string in>
| continue | continue
```



Question 2 Correct Marked out of 1.00 v- Flag question

Danny has a possible list of passwords of Manny's facebook account. All passwords length is odd. But Danny knows that Manny is a big fan of palindromes. So, his password and reverse of his password both should be in the list.

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 than 2 and lesser than 74. 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 central letter.

CONSTRAINTS

1≤N≤100

SAMPLE INPUT

4 abc def

feg

SAMPLE OUTPUT

3 b

```
Input Expected Got

4 a b 3 b 3 b ✓ a def feg cba
```

Question 3
Correct
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Joey loves to eat Pizza. But he is worried as the quality of pizza made by most of the restaurants is deteriorating. The last few pizzas ordered by him did not tastegood: (. Joey is feeling extremely hungry and wants to eat pizza. But he is confused about the restaurant from where he should order. As always he asks Chandler for help.

Chandler suggests that Joey should give each restaurant some points, and then choose the restaurant having maximum points. If more than one restaurant has same points, Joey can choose the one with lexicographically smallest name.

Joey has assigned points to all the restaurants, but can't figure out which restaurant satisfies Chandler's criteria. Can you 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. Restaurant name has no 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 <= 10⁵ 1 <= Points <= 10⁶

SAMPLE INPUT

3

Pizzeria 108

Dominos 145

Pizzapizza 49

SAMPLE OUTPUT

Dominos

Explanation

Dominos has maximum points

```
Input Expected Got

3 Pizzeria 108 Dominos Dominos V
Dominos 145
Pizzapizza 49

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Question 4
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0123456789 0123456.87 SAMPLE OUTPUT

YES NO NO

These days Bechan Chacha is depressed because his crush gave himist of mobile number some of themare and and some of themare maid. Bechan Chacha has special power that he can pick his crush number only if he has valid set of mobile numbers. Help him to determine the valid numbers.

You are given a string '3' and you have to determine whether it a Valid mobile number or not. Mobile number is valid only if it is of length 10, consists of numeric values and it shouldn't have prefixzences.

Right

**First line of input is 1' representing total number of test cases.

**Next The seath representing '3' as described in a problemast attement.

**Output:*

**Print "VES" if it is valid mobile number else print 'NO'.

**Note: Quotes are for clarity.

**Constraints:*

**Les T \(\times \) 10's a sum of string length \(\times \) 10's

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