GE23131-Programming Using C-2024







Two strings \mathbf{A} and \mathbf{B} comprising of lower case English letters are compatible if they are equal or can 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 in the prefix by the same valid amount. For example, if the string is **xyz** and we select the prefix **xy** the convert it to **yx** by increasing the alphabetical value by 1. But if we select the prefix **xyz** then we can the alphabetical 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

 $1 \leq len(A) \leq 1000000$

 $1 \le len(B) \le 1000000$

SAMPLE INPUT

abaca

cdbda

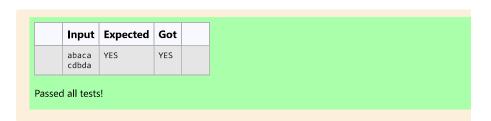
SAMPLE OUTPUT

YES

Explanation

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

Answer: (penalty regime: 0 %)





Danny has a possible list of passwords of Manny's facebook account. All passwords length is odd. Bu knows that Manny is a big fan of palindromes. So, his password and reverse of his password both sh 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 at than **14**. 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 lette

CONSTRAINTS

 $1 \le N \le 100$

SAMPLE INPUT

4

abc

def

feg

cba

SAMPLE OUTPUT

3 b

REC-CIS

Allswer. (penalty regime. 0 70)



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 restaurants is do The last few pizzas ordered by him did not taste good :(. Joey is feeling extremely hungry and wants pizza. But he is confused about the restaurant from where he should order. As always he asks Chand

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 Chandle 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. Restaurhas **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:

$$1 <= N <= 10^5$$

 $1 <= Points <= 10^6$

SAMPLE INPUT

3

Pizzeria 108

SAMPLE OUTPUT

Dominos

Explanation

Dominos has maximum points.

Answer: (penalty regime: 0 %)





These days Bechan Chacha is depressed because his crush gave him list of mobile number some of t valid and some of them are invalid. Bechan Chacha has special power that he can pick his crush num he has valid set of 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 not. Mobi is valid 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:

 $1 <= T <= 10^3$

REC-CIS

