Completed Westworks, 15 January 2025, 12:25 PM Bireline 1 hour 16 mass

Section \$
Section 1
Section 1 of 16

Two strings A and B comprising of lower case Deplots 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 corrup A (possibly empty), and increase the alphabetical value of all the characters in the profix by the same votal amount. For example, if the string is approved to be selected to prefix by then see can connect it by any increasing the alphabetical value by 1. But if we select the prefix appropriate value by 1. But if we select the prefix approximation or connect moreover the alphabetical value.

Your task is to determine if given storage A and B are connectible.

Input formut

First line: String & Next line: String #

Output format

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

Constraints

1 ± fen(A) ± 1000000 1 ± fen(B) ± 1000000

SAMPLE INPUT

etteca cetteca

SAMPLE OUTPUT

YES

Explanation

The string above can be converted to builds in one move and to either in the next move.

Answer: (penalty:regime:01s)

```
| flocindensition.to |
| description.to |
| descrip
```

```
Input Expected Got

w about 1E1 1E5 w
collects

Passectial tental w
```

Conect

Merked out of 1.50

Y Fag quarter

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 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 letter.

CONSTRAINTS

1 ± N ± 100

SAMPLE INPUT

4 ahc def feg cha

SAMPLE OUTPUT

36

Answer: (penalty regime: 0 %)

```
1 |Fincludestdio.h>
      # #includestring.h=
int main()
4 = {
                  int n,flag=0;
                  char temp;
scanf("%d",%n);
char words[n][14];
for(int i=0;i<n;i++)
   10 ·
11
12
13
14
                         scanf("Es", words[1]);
                  char reverse[14];
for(int 1=0;1<n-3;1++)
   15
16
17
18
                          strcpy(reverse,words[i]);
int size = strlen(reverse);
for(int k=0;k=size/2;k=+)
   19 · 20 21 22
                                 temp=reverse[k];
reverse[k] = reverse[size-k-1
reverse[size-k-1] = temp;
   23
24
25
26
27
                          for(int j=i+1;j+n;j++)
                                 lf(stromp(reverse,words[j])--
                                      flag - 1;
   28
29
30
31
32
33
34
35
36
37
38
30
                                       break;
                          if(flag--1)
                         break;
                  int len-strlen(reverse);
printf(*%d %c",len,reverse[len/2]);
return 0;
   40
```

```
Input Expected Got

4 3 b 3 b 
3 b

sbc def
feg cba
```

Correct
Numbed and of 1,00
Y Empiguestion

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 taste good .[. 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 some 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 <= 10<sup>5</sup>
1 <= Points <= 10<sup>4</sup>
```

SAMPLE INPUT

3

Pizzeria 108

Daminos 145

Pizzapizza 49

SAMPLE OUTPUT

Dominos

Explanation

Dominos has maximum points.

Answer: (penalty regime: 0 %)



Cornect

Marked cut of 1.60

†* Fing question

These days Bechan Chacha is depressed because his crush gave him list of mobile number some of them are valid and some of them are invalid. 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 "5" and you have to determine whether it is 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 prefix zeroes.

Input:

First line of input is T representing total number of test

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 < z T < z 10^0
sum of string length < z 10^6
```

SAMPLE INPUT

SAMPLE OUTPUT

YES NO NO

Answer: (penalty regime 0 %)

```
1 | Winclude atdio.h>
2 | Winclude atring.h>
3 | int main()
              int t;
scanf(*%d*,%t);
shile(t--)
  int flag = 1;
char s[100000];
scanf("%s",s);
int k=strlen(s);
                    11(4-10)
                         for(int 1=0;1=10;1++)
                               if(s[0]--'0')
                                    flag - 0;
break;
                               17(s[1]<'0'||s[1]>'9')
                                    flag = 0;
break;
                         }
                    else
flag = 0;
                    17(Tlag--1)
                    printf("YES\n");
                    else
                    printf("WO\n");
               return 0;
```

```
Input Expected Got

3 YES YES V
1234567890 NO NO NO 0123456789 NO NO NO
0123456.87

Passed all tests!
```