Status Finished

Started Tuesday, 14 January 2025, 10:32 AM

Completed Tuesday, 14 January 2025, 11:31 AM

Duration 59 mins 5 secs

Correct

Marked out of 100

P Flag question

Two strings A and 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 increasing 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 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

6

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 %)

```
Winclude(stdio.h>
 2
 3
    #include<string.h>
 4
    int main()
 5
 6
        char str1[1000000], str2[1000000];
 7
         int flag=1;
         scanf("%s", str1);
         scanf("%s", str2);
10
         int a=strlen(strl);
11
         int b=strlen(str2);
12
         if(a==b)
13
14 .
15
          for(int i=a-1;i>=0;i--)
16 .
17
           while(str1[i]|=str2[i])
```

```
17
           while(str1[i]!=str2[i])
18 .
19
                for(int j=0;j<=i;j++)
20 .
21
                    if(str1[j]<'z')
22
                    str1[j]++;
23
                    else
24 .
25
                        flag=0;
26
                        break;
27
28
                    if(flag==0)
29
                    break;
30
31
32
33
34
         else
35
         flag=0;
         if(flag==0)
36
         printf("NO");
37
         else
38
39
         printf("YES");
         return 0;
40
41
42
```

13	Input	Expected	Got	
~	abaca cdbda	YES	YES	~

Passed all tests! V

Question 2
Correct
Marked out of 100

P 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 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

 $1 \le N \le 100$

SAMPLE INPUT

4

abc

def

feq

```
reg
```

SAMPLE OUTPUT

3 b

```
Answer: (penalty regime: 0 %)

1 #include<stdio.h>
```

```
2
3
    #include<string.h>
4
5
   int main()
 6
        int n, flag=0;
 7
        char temp;
 8
        scanf("%d",&n);
10
        char words[n][14];
        for(int i=0;i<n;i++)
11
12
        scanf("%s", words[i]);
        char reverse[14];
13
        for(int i=0;i<n-1;i++)
14
15 .
             strcpy(reverse,words[i]);
16
```

```
16
             strcpy(reverse, words[i]);
            int size=strlen(reverse);
17
18
            for(int k=0;k<size/2;k++)
19 .
20
                 temp=reverse[k];
21
                 reverse[k]=reverse[size-k-1];
                 reverse[size-k-1]=temp;
22
23
24
            for(int j=i+1;j<n;j++)
25 .
26
                 if(strcmp(reverse, words[j])==0)
27 + {
28
        flag=1;
29
        break;
30
31
32
            if(flag==1)
33
            break;
34
35
            int len=strlen(reverse);
            printf("%d %c ",len,reverse[len/2]);
36
37
            return 0;
38
```

	Input	Expected	Got	
~	4 ab def feg cba	3 b	3 b	>

Passed all tests! <

Question 3	
Correct	
Marked out of 1.00	
P Flag question	
74	

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 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:

SAMPLE INPUT

Pizzeria 108

```
Pizzapizza 49
```

Dominos 145

SAMPLE OUTPUT

Dominos

Explanation

Dominos has maximum points.

Answer: (penalty regime: 0 %)

```
2
    #include<string.h>
 4
    int main()
 6
        int n;
        scanf("%d",&n);
        char res[n][21],
        int rate[n];
10
11
        for(int i=0;i<n;i↔)
12 +
            scanf("%s",res[i]);
13
            scanf("%d",&rate[i]);
14
15
16
        int max=rate[0];
```

```
D
16
         int max=rate[0];
17
         char ans[20];
         strcpy(ans,res[0]);
18
19
         for(int i=1;i<n;i++)
20 .
21
             if(rate[i]>max)
22 .
23
                 max=rate[i];
24
                 strcpy(ans,res[i]);
25
26
             else if(rate[i]==max)
27 .
28
                 if (strcmp(res[i],ans)<0)</pre>
29
                 strcpy(ans,res[i]);
30
31
32
        printf("%s",ans);
33
        return 0;
34
```

	Input	Expected	Got	
~	3 Pizzerla 108 Dominos 145 Pizzapizza[49	Dominos	Dominos	~

Passed all tests! <

Correct Marked out of 1.00	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.
P Flag question	You are given a string "S" 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 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:
18	B Comment of the comm
	$1 < = T < = 10^3$
	sum of string length <= 10 ⁵
	SAMPLE INPUT
WL.	3
	1234567890
	0123456789

```
0123456.87
SAMPLE OUTPUT
YES
NO
NO
Answer: (penalty regime: 0 %)
    1 #include(stdio.h>
       #include<string.h>
       int main()
    6 . 1
           int t;
           scanf("%d",&t);
           while(t--)
   10
   11
              int flag=1;
   12
               char s[100000];
   13
               scanf("%s",s);
   14
               int k=strlen(s);
   15
               if(k==10)
   16 -
   17
                  for(int i=0;i<10;i++)
   18 -
   19
                      if(s[0]=='0')
   20 .
   21
                          flag=0;
   22
                          break;
   23
   24
                      if(s[i]<'0'||s[i]>'9')
   25 ,
   26
                          flag=0;
   27
                          break;
   28
   29
   30
```

```
30
11
           else
           flag-0;
12
13
           1f(flag-1)
           print("YES\n");
34
15
           else
346
           printf("90%");
32
18 19 ]
        return 8;
```

	Impat	Expected	Gest	
~	,	WS	985	4
	1214567808	(40)	160	
	#121458/89	(40)	963	
	#5.2 5A56_67			

Passed all tests!

Finish review