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
$1 \le len(A) \le 10000000$ $1 \le len(B) \le 10000000$
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.

```
1 #include<stdio.h>
 2 #include<string.h>
    int main()
 4 🔻
        char str1[1000000], str2[1000000];
 5
        int flag=1;
 6
        scanf("%s",str1);
 7
        scanf("%s",str2);
 8
        int a=strlen(str1);
 9
        int b=strlen(str2);
10
11
        if(a==b)
12
13
            for(int i=a-1;i>=0;i--)
14
15
                while(str1[i]!=str2[i])
16
17
                    for(int j=0;j<=i;j++)</pre>
18
19
                        if(str1[j]<'z')</pre>
20
                        str1[j]++;
21
22
                         else
23
                            flag=0;
24
25
                            break;
26
                        if(flag==0)
27
                         break;
28
29
30
31
32
33
        else
34
        flag=0;
35
        if(flag==0)
36
        printf("NO");
37
38
        else
        printf("YES");
39
        return 0;
40
41 }
```

	Input	Expected	Got	
~	abaca	YES	YES	~

Passed all tests! <

anny 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 oth should be in the list.
ou have to print the length of Manny's password and it's middle character.
lote: The solution will be unique.
NPUT
he first line of input contains the integer N, the number of possible passwords.
ach 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.
UTPUT
he first and only line of output must contain the length of the correct password and its central letter.
ONSTRAINTS
≤ N ≤ 100
AMPLE INPUT
bc
ef .
eg
ba de la companya de
AMPLE OUTPUT

3 b

```
|#include<stdio.h>
    #include<string.h>
    int main()
4
5
6
         int n,flag=0;
         char temp;
         scanf("%d",&n);
         char words[n][14];
         for(int i=0;i<n;i++)</pre>
10
         scanf("%s",words[i]);
         char reverse[14];
11
12
         for(int i=0;i<n-1;i++)</pre>
13
14
             strcpy(reverse,words[i]);
15
             int size=strlen(reverse);
16
17
             for(int k=0;k<size/2;k++)</pre>
18
19
                 temp=reverse[k];
20
                 reverse[k]=reverse[size-k-1];
21
                 reverse[size-k-1]=temp;
22
23
24
25
             for(int j=i+1;j<n;j++)</pre>
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);
36
         printf("%d %c ",len,reverse[len/2]);
37
         return 0;
38 }
```

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

Passed all tests! 🗸



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.

```
#include<stdio.h>
    #include<string.h>
    int main()
 4 🔻
        int n;
 5
         scanf("%d",&n);
        char res[n][21];
         int rate[n];
        for(int i=0;i<n;i++)</pre>
10 *
             scanf("%s",res[i]);
11
             scanf("%d",&rate[i]);
12
13
14
         int max=rate[0];
15
         char ans[20];
16
         strcpy(ans,res[0]);
17
         for(int i=1;i<n;i++)</pre>
18
19 🔻
             if(rate[i]>max)
20
21 *
                 max=rate[i];
22
                 strcpy(ans,res[i]);
23
24
25
             else if(rate[i]==max)
26
27 •
                 if(strcmp(res[i],ans)<0)</pre>
28
                 strcpy(ans,res[i]);
29
30
31
        printf("%s",ans);
32
33
         return 0;
34
```

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

Passed all tests! 🗸

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 "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: $1 \le T \le 10^3$ sum of string length <= 10⁵ SAMPLE INPUT 3 1234567890 0123456789 0123456.87 SAMPLE OUTPUT YES NO

```
#include<stdio.h>
    #include<string.h>
    int main()
4 🔻
 5
        int t;
        scanf("%d",&t);
 6
        while(t--)
8 *
            int flag=1;
            char s[100000];
10
            scanf("%s",s);
11
12
            int k=strlen(s);
13
            if(k==10)
14
15 *
16
                for(int i=0;i<10;i++)
17 *
                     if(s[0]=='0')
18
19 🔻
20
                         flag=0;
                         break;
21
22
23
24
            else
25
26
            flag=0;
27
            if(flag==1)
28
            printf("YES\n");
29
            else
            printf("NO\n");
30
31
32
        return 0;
33
```

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

Passed all tests! <