Question 1
Correct
Marked out of 1.00
F 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

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

SAMPLE INPUT

abaca

SAMPLE OUTPUT

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 %)

```
1 #include <stdio.h>
2 #include<string.h>
       int main()
             char str1[1000000],str2[1000000];
int flag=1;
scanf("%s",str1);
scanf("%s",str2);
int a=strlen(str1);
int b=strlen(str2);
if(a=b);
 10
11
12
             if(a==b)
                   for(int i=a-1;i>=0;i--)
13
                          while(str1[i]!=str2[i])
15
16
17
                                for(int j=0;j<=i;j++)</pre>
18
19
                                      if(str1[j]<'z')
20
21
                                       str1[j]++;
                                      else
22
                                            flag=0;
24
25
26
27
                                      if(flag==0)
28
29
 30
31
                   }
 32
33
34
              else
             flag=0;
```



```
SAMPLE OUTPUT
Answer: (penalty regime: 0 %)
   #include <stdio.h>
#include <string.h>
int main()
                    int n,flag=0;
                    int n,flag=0;
char temp;
scanf("%d",&n);
char words[n][14];
for(int i=0;i<n;i++)
scanf("%s",words[i]);
char reverse[14];
for(int i=0;i<n-1;i++)</pre>
    8
9
10
   11
12
13 v
14
15
16
17 v
18
19
20
21
22
23 v
24
25 v
26
27
28
29
30
31
32
33
34
35
36
}
                             strcpy(reverse,words[i]);
int size=strlen(reverse);
for(int k=0;k<size/2;k++)</pre>
                                     temp=reverse[k];
reverse[k]=reverse[size-k-1];
reverse[size-k-1]=temp;
                              }
for(int j=i+1;j<n;j++)</pre>
                                      if(strcmp(reverse,words[j])==0)
                                             flag=1;
break;
                             }
if(flag==1)
                             break;
                     }
int len=strlen(reverse);
printf("%d %c",len,reverse[len/2]);
return 0;
            Input Expected Got
           4
                          3 b
                                               3 b 🗸
             abc
             def
             cba
 Passed all tests! ✓
```

P.DINESH KUMAR 240801069 ECE-B Question **3**Correct
Marked out of 1.00

F Flag question

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:

```
1 <= N <= 10<sup>5</sup>
1 <= Points <= 10<sup>6</sup>
```

SAMPLE INPUT

3

Pizzeria 108

Dominos 145

Pizzapizza 49

SAMPLE OUTPUT

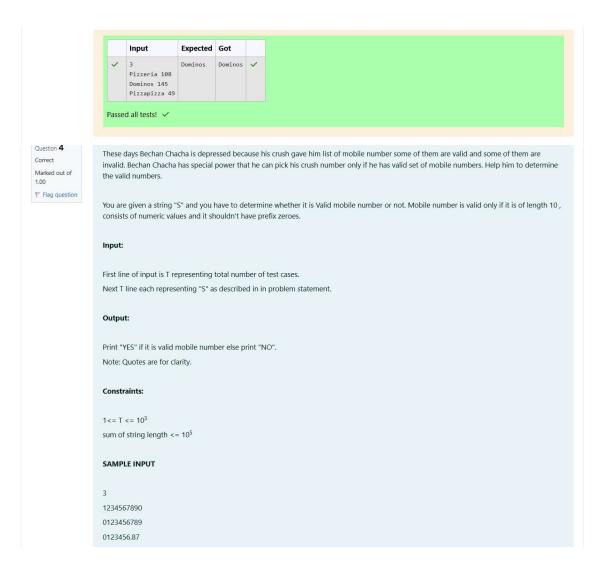
Dominos

Explanation

Dominos has maximum points.

Answer: (penalty regime: 0 %)

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



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```
SAMPLE OUTPUT
YES
NO
NO
Answer: (penalty regime: 0 %)
#include <stdio.h>
    #include <stdio.h>
    #include <string.h>
    int main()
    4 * {
        int t;
        scanf("%d",%t);
        while(t--)
        s * {
              int flag-1;
              char s[10000]
                 {
    int flag=1;
    char s[1000000];
    scanf("%s",s);
    int k=strlen(s);
    if(k==10)
                                 for(int i=0;i<10;i++)
                                        if(s[0]=='0')
                                      flag=0;
break;
                                        }
if(s[i]<'0'||s[i]>'9')
                                               flag=0;
                                               break;
                         }
}
else
flag=0;
if(flag==1)
printf("YES\n");
else
printf("NO\n");
                   return 0;
             Input Expected Got
                            YES YES 🗸
            1234567890 NO
                                                  NO
            0123456789 NO
0123456.87
                                                  NO
  Passed all tests! 🗸
```

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