WEEK-11

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

Marked out of 1.00 Flag question

Question 1 Correct 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:

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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.

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

SAMPLE OUTPUT

Answer: (penalty regime: 0 %)

3 √ int main(){

1 |#include<stdio.h>

#include<string.h>

int flag=1;

if(a==b){

else

else

flag=0;

if(flag==0)

return 0;

printf("NO");

printf("YES");

Expected

of his password both should be in the list.

Note: The solution will be unique.

YES

Got

YES

scanf("%s",str1);

scanf("%s",str2);

int a=strlen(str1);

int b=strlen(str2);

char str1[1000000],str2[1000000];

for(int i=a-1;i>=0;i--){

while(str1[i]!=str2[i]){

str1[j]++;

else{

break;

for(int j=0;j<=i;j++){</pre>

if(str1[j]<'z')

flag=0;

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

You have to print the length of Manny's password and it's middle character.

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.

The first and only line of output must contain the length of the correct password and its

break;

if(flag==0)

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

abaca

cdbda

YES

Explanation

2

4 5

6

7 8

9

10 🔻

11 •

12 •

13 •

14

15

17

18 19 20

21

26 27

28 29

30

31

32

33

Question 2

Marked out of 1.00

Flag question

INPUT

OUTPUT

central letter.

CONSTRAINTS

SAMPLE INPUT

SAMPLE OUTPUT

Answer: (penalty regime: 0 %)

int main(){

#include<stdio.h>

#include<string.h>

char temp;

int n,flag=0;

scanf("%d",&n);

char words[n][14]; for(int i=0;i<n;i++)</pre>

char reverse[14];

scanf("%s",words[i]);

for(int i=0;i<n-1;i++){</pre>

strcpy(reverse,words[i]);

int size=strlen(reverse);

temp=reverse[k];

for(int j=i+1; j<n; j++) {</pre>

flag=1;

printf("%d %c ",len,reverse[len/2]);

break;

if(flag==1)

int len=strlen(reverse);

3 b

break;

return 0;

Input | Expected | Got

3 b

for(int k=0; k<size/2; k++){

reverse[k]=reverse[size-k-1];

if(strcmp(reverse,words[j])==0){

Joey loves to eat Pizza. But he is worried as the quality of pizza made by most of the

from where he should order. As always he asks Chandler for help.

choose the one with **lexicographically smallest** name.

Chandler's criteria. Can you help him out?

First line has N, the total number of restaurants.

Print the name of the restaurant that Joey should choose.

restaurants is deteriorating. The last few pizzas ordered by him did not taste good :(. Joey is

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

Joey has assigned points to all the restaurants, but can't figure out which restaurant satisfies

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

feeling extremely hungry and wants to eat pizza. But he is confused about the restaurant

reverse[size-k-1]=temp;

 $1 \le N \le 100$

4

abc

def

feg

cba

3 b

1

2 3 ▼

4 5

6 7

8

9

11 •

10

12

13

15

16

17 18

19 •

20 • 21

22

23 24

25 26

27 28

29

30

31 32

}

4

abc def feg cba

Passed all tests! <

Question **3**

Marked out of 1.00

Flag question

Input:

characters.

Output:

Constraints:

 $1 \le N \le 10^5$

1 <= Points <= 10⁶

SAMPLE INPUT

Pizzeria 108

Dominos 145

Pizzapizza 49

Dominos

Explanation

1

2 3 ▼

4

5

6 7

8 •

9

10 11 12

13

14

15

16 •

17 ▼

18

19 20 21

22 •

23

24 25 26

27

28

29

}

Input

Passed all tests! <

Question 4

Marked out of 1.00

Flag question

Input:

Output:

Constraints:

 $1 <= T <= 10^3$

SAMPLE INPUT

1234567890

0123456789

0123456.87

SAMPLE OUTPUT

Answer: (penalty regime: 0 %)

3 v int main(){

#include<stdio.h> #include<string.h>

int t;

scanf("%d",&t);

int flag=1;

if(k==10){

char s[100000]; scanf("%s",s);

int k=strlen(s);

for(int i=0;i<10;i++){</pre>

if(s[0] == '0'){

flag=0;

flag=0;

break;

if(s[i]<'0'||s[i]>'9'){

break;

while(t--){

else

else

return 0;

flag=0;

if(flag==1)

printf("YES\n");

printf("N0\n");

Expected

YES

N0

N0

Got

YES

N0

N0

Finish review

3

YES

NO

NO

1

2

4

5

8

9

11 •

12 •

13 🔻

14 15

16

19

24

25

26 27

28 29 30

31

}

Input

1234567890

0123456789

0123456.87

Passed all tests! <

Quiz navigation

Finish review

Show one page at a time

3

17 ▼ 18

10

6 ▼

Correct

Pizzeria 108 Dominos 145

Pizzapizza 49

determine the valid numbers.

shouldn't have prefix zeroes.

Note: Quotes are for clarity.

sum of string length $\leq 10^5$

3

Dominos has maximum points.

Answer: (penalty regime: 0 %)

int main(){

int n;

#include<stdio.h>

#include<string.h>

scanf("%d",&n);

int rate[n];

char res[n][21];

int max=rate[0];

strcpy(ans, res[0]);

printf("%s",ans);

return 0;

for(int i=1;i<n;i++){</pre>

if(rate[i]>max){

max=rate[i];

else if(rate[i]==max){

Expected Got

Dominos

/

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

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

First line of input is T representing total number of test cases.

Print "YES" if it is valid mobile number else print "NO".

Next T line each representing "S" as described in in problem statement.

he can pick his crush number only if he has valid set of mobile numbers. Help him to

Dominos

strcpy(ans,res[i]);

strcpy(ans, res[i]);

if(strcmp(res[i],ans)<0)</pre>

char ans[20];

for(int i=0;i<n;i++){</pre>

scanf("%s",res[i]);

scanf("%d",&rate[i]);

SAMPLE OUTPUT

3

Correct

14 ▼

Correct

}

Input

abaca cdbda

Passed all tests! <

16 ▼

Your task is to determine if given strings **A** and **B** are compatible.