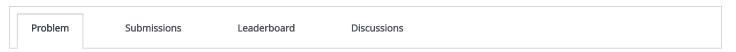


♠ locked

All Contests > PL-2022-Lab-13 > PL-2020-C-Alice and Strings

# PL-2020-C-Alice and Strings



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

#### Constraints

 $1 \le \text{len(A)} \le 10000000 \ 1 \le \text{len(B)} \le 10000000$ 

### **Output Format**

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

## Sample Input 0

abaca cdbda

# Sample Output 0

YES

## Explanation 0

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

Submissions: 987 Max Score: 100 Difficulty: Medium Rate This Challenge: ☆☆☆☆☆

1 v#include <stdio.h>
2 #include <string.h>

Run Code

Submit Code

<u>♣ Upload Code as File</u> Test against custom input

```
3 #include <math.h>
4 #include <stdlib.h>
5
6 vint main() {
7
        /\star Enter your code here. Read input from STDIN. Print output to STDOUT \star/
8 🔻
9 🔻
        char s2[100000],s1[100000];
10
        scanf("%s",s1);
11
12
        scanf("%s",s2);
        if(strlen(s2)==strlen(s1))
13
            printf("YES");
14
15
            printf("NO");
16
17
        return 0;
18 }
                                                                                                       Line: 1 Col: 1
```

Interview Prep | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy |