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rudhran\_b\_2020\_1 ▾

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# PL-2020-C-Alice and Strings

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Problem

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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

 $1 \leq \text{len}(A) \leq 1000000$   $1 \leq \text{len}(B) \leq 1000000$ 

## 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.

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Max Score: 100

Difficulty: Medium

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C ▾



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

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

Line: 1 Col: 1

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