Alice and Strings

SOLVE LATER

Attempted by: 721 / Accuracy: 90% / Maximum Score: 10 / ★★★☆☆ 2 Votes

Tag(s): Algorithms, Basics of String Manipulation, String Algorithms, Very-Easy, strings

PROBLEM   EDITORIAL   MY SUBMISSIONS   ANALYTICS

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 yz 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

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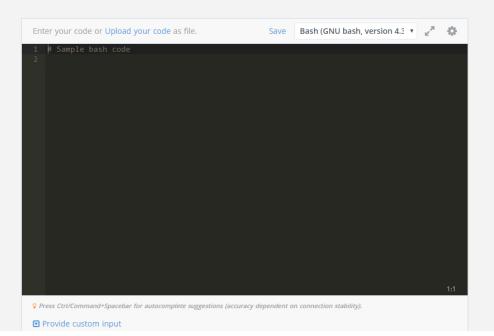$1 \leq len(B) \leq 1000000$

SAMPLE INPUT		SAMPLE OUTPUT	
abaca cdbda		YES	

Explanation

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

Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file.   Save   Bash (GNU bash, version 4.3 ▼)

```
1  # Sample bash code
2
```

1:1

♀ Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).

⊡ Provide custom input

BEST SUBMISSIONS

LANGUAGE: Bash ▼

There is no solution for this language

VIEW ALL SUBMISSION

CONTRIBUTOR

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THIS PROBLEM WAS ASKED IN

CHALLENGE NAME
November Easy' 18 ▼

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Your Rating: ☆☆☆☆☆

COMMENTS (23)

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★★★☆☆ 20 Votes

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