Palindromic String With A Variation

Given a string, determine if it is a palindrome, considering only alphanumeric characters and ignoring cases.

Example:

"A man, a plan, a canal: Panama" is a palindrome.

"race a car" is not a palindrome.

Return 0 / 1 (0 for false, 1 for true) for this problem

Check If Two Strings Are Anagrams

Given two strings **a** and **b** consisting of lowercase characters. The task is to check whether two given strings are an anagram of each other or not. An anagram of a string is another string that contains the same characters, only the order of characters can be different. For example, "act" and "tac" are an anagram of each other.

Example 1:

Input:

a = geeksforgeeks, b = forgeeksgeeks

Output: YES

Explanation: Both the string have same

characters with same frequency. So,

both are anagrams.

Example 2:

Input:

a = allergy, b = allergic

Output: NO

Explanation:Characters in both the strings

are not same, so they are not anagrams.

Reverse Words In A String

Given a String S, reverse the string without reversing its individual words. Words are separated by dots.

Example 1:

```
Input:
S = i.like.this.program.very.much
Output: much.very.program.this.like.i
Explanation: After reversing the whole
string(not individual words), the input
string becomes
much.very.program.this.like.i
```

Example 2:

```
Input:
S = pqr.mno
Output: mno.pqr
Explanation: After reversing the whole
string , the input string becomes
mno.pqr
```

Lexicographical Rank Of A String

Given a string, find the rank of the string amongst its permutations sorted lexicographically.

Assume that no characters are repeated.

Example:

```
Input : 'acb'
Output : 2

The order permutations with letters 'a', 'c', and 'b'
:
abc
acb
bac
bca
cab
cba
```

The answer might not fit in an integer, so return your answer % 1000003