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392. Is Subsequence

Easy6016340Add to ListShare

Given two strings `s` and `t`, return `true` if `s` is a **subsequence** of `t`, or `false` otherwise.

A **subsequence** of a string is a new string that is formed from the original string by deleting some (can be none) of the characters without disturbing the relative positions of the remaining characters. (i.e., `"ace"` is a subsequence of `"abcde"` while `"aec"` is not).

Example 1:

Input: `s = "abc", t = "ahbgdc"`
Output: `true`

Example 2:

Input: `s = "axc", t = "ahbgdc"`
Output: `false`

Constraints:

- `0 <= s.length <= 100`
- `0 <= t.length <= 104`
- `s` and `t` consist only of lowercase English letters.

Follow up:

Suppose there are lots of incoming `s`, say `s1`, `s2`, ..., `sk` where `k >= 109`, and you want to check one by one to see if `t` has its subsequence. In this scenario, how would you change your code?

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YesNo

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```
1 class Solution {
2     public boolean isSubsequence( String s, String t ) {
3
4         int i = 0, j = 0;
5
6         while(i < s.length() && j < t.length()){
7             if (s.charAt(i) == t.charAt(j)) {
8                 i++;
9             }
10            j++;
11        }
12
13        return i == s.length();
14    }
15 }
```

TestcaseRun Code ResultDebugger

AcceptedRuntime: 0 ms

Your input"abc"ahbgdc"

OutputtrueDiff

Expectedtrue

Problems

Pick One

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ConsoleUse Example Testcases

Run Code

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https://leetcode.com/problems/is-subsequence/1/1