

23.10.22, 10:21

Minimum Window Substring - LeetCode

LeetCode

Explore

Problems

Interview

Contest

Discuss

Store

LeetCode is hiring! Apply NOW.

🔔

🔥 6

👤

Description

Solution

Discuss (999+)

Submissions

i

JavaAutocomplete

i

{ }

↺

🔄

🗑

76. Minimum Window Substring

Hard

👍 13399

💬 592

🤍 Add to List

🔗 Share

Given two strings s and t of lengths m and n respectively, return the **minimum window substring** of s such that every character in t (**including duplicates**) is included in the window. If there is no such substring, return the empty string `""`.

The testcases will be generated such that the answer is **unique**.

A **substring** is a contiguous sequence of characters within the string.

Example 1:

Input: $s = \text{"ADOBECODEBANC"}, t = \text{"ABC"}$

Output: `"BANC"`

Explanation: The minimum window substring `"BANC"` includes 'A', 'B', and 'C' from string t .

Example 2:

Input: $s = \text{"a"}, t = \text{"a"}$

Output: `"a"`

Explanation: The entire string s is the minimum window.

Example 3:

Input: $s = \text{"a"}, t = \text{"aa"}$

Output: `""`

Explanation: Both 'a's from t must be included in the window. Since the largest window of s only has one 'a', return empty string.

Constraints:

- $m == s.length$
- $n == t.length$
- $1 \leq m, n \leq 10^5$
- s and t consist of uppercase and lowercase English letters.

Follow up:

Could you find an algorithm that runs in $O(m + n)$ time?

Accepted 913,809

Submissions 2,248,696

Seen this question in a real interview before?

Yes

No

Companies

🔒

i

Related Topics

Similar Questions

Show Hint 1

Show Hint 2

Show Hint 3

Show Hint 4

1

class Solution {

2

public String minWindow(String s, String t) {

3

4

}

5

}

⌵ Problems

✂ Pick One

< Prev

76/2445

Next >

Console

Contribute i

▶ Run Code ^

Submit

https://leetcode.com/problems/minimum-window-substring/1/1