76. Minimum Window Substring

Hint

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.

Example 1:

Input: s = "ADOBECODEBANC", t = "ABC"

Output: "BANC"

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

Example 2:

- **Input:** s = "a", t = "a"
- **Output:** "a"
- **Explanation:** The entire string s is the minimum window.

Example 3:

- **Input:** s = "a", t = "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 <= m, n <= 105
- s and t consist of uppercase and lowercase English letters.

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