Given two strings str1 and str2, return *the shortest string that has both* str1 *and* str2 *as* ***subsequences***. If there are multiple valid strings, return **any** of them.

A string s is a **subsequence** of string t if deleting some number of characters from t (possibly 0) results in the string s.

**Example 1:**

Input: str1 = "abac", str2 = "cab"  
Output: "cabac"  
Explanation:   
str1 = "abac" is a subsequence of "cabac" because we can delete the first "c".  
str2 = "cab" is a subsequence of "cabac" because we can delete the last "ac".  
The answer provided is the shortest such string that satisfies these properties.

**Example 2:**

Input: str1 = "aaaaaaaa", str2 = "aaaaaaaa"  
Output: "aaaaaaaa"

**Constraints:**

* 1 <= str1.length, str2.length <= 1000
* str1 and str2 consist of lowercase English letters.