

# 1092. Shortest Common Supersequence

## Description

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.

