Problem 3571: Find the Shortest Superstring II

Problem Information

Difficulty: Easy
Acceptance Rate: 50.37%
Paid Only: Yes
Tags: String

Problem Description

You are given **two** strings, `s1` and `s2`. Return the **shortest** _possible_ string that contains both `s1` and `s2` as substrings. If there are multiple valid answers, return _any_ one of them.

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

Example 1:

Input: s1 = "aba", s2 = "bab"

Output: "abab"

Explanation:

`"abab"` is the shortest string that contains both `"aba"` and `"bab"` as substrings.

Example 2:

Input: s1 = "aa", s2 = "aaa"

Output: "aaa"

Explanation:

`"aa"` is already contained within `"aaa"`, so the shortest superstring is `"aaa"`.

Constraints:

* `1 <= s1.length <= 100` * `1 <= s2.length <= 100` * `s1` and `s2` consist of lowercase English letters only.

Code Snippets

C++:

```
class Solution {
public:
string shortestSuperstring(string s1, string s2) {


}
};
```

Java:

```
class Solution {
public String shortestSuperstring(String s1, String s2) {


}
}
```

Python3:

```
class Solution:
def shortestSuperstring(self, s1: str, s2: str) -> str:
```