Autocomplete

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97. Interleaving String

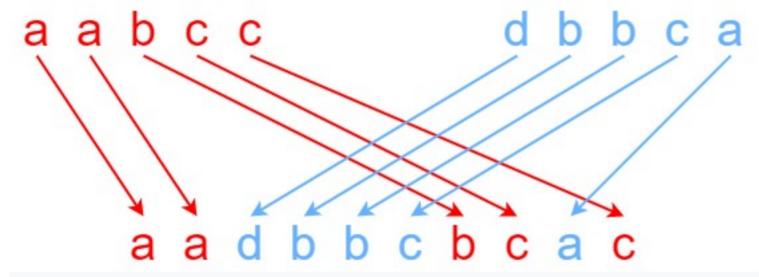
Description

△ Solution

Submissions

Given s1, s2, and s3, find whether s3 is formed by the interleaving of s1 and s2.

Example 1:



Input: s1 = "aabcc", s2 = "dbbca", s3 = "aadbbcbcac"

Output: true

Example 2:

Input: s1 = "aabcc", s2 = "dbbca", s3 = "aadbbbaccc"

Output: false

Example 3:

Input: s1 = "", s2 = "", s3 = ""

Output: true

i Java

class Solution { public boolean isInterleave(String s1, String s2, String s3) { 2 🔻 // no need to initialize this 2D array because its declare its automatically // initialized by zero. So the bellow code was for initialization. 4 boolean memo[][] = new boolean[s1.length() + 1][s2.length() + 1];// if the length doesn't match 6 if (s3.length() != s1.length() + s2.length()) return false; // Initializing the matrix memo memo[0][0] = true;for (int i = 1; i <= s1.length(); i++) {</pre> if (s3.charAt(i - 1) == s1.charAt(i - 1))memo[i][0] = true;else break; for (int j = 1; $j \le s2.length()$; j++) { if (s3.charAt(j-1) == s2.charAt(j-1))memo[0][j] = true;else break; // Iteratively checking when a character matches and filling up the table for (int i = 1; i <= s1.length(); i++) { for (int j = 1; $j \le s2.length()$; j++) { if (s3.charAt(i + j - 1) == s1.charAt(i - 1)) { if (memo[i - 1][j] == true) memo[i][j] = true; if (s3.charAt(i + j - 1) == s2.charAt(j - 1)) { if (memo[i][j - 1] == true)32 33 memo[i][j] = true; 34 35

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