Contest Discuss Contest Di Description △ Solution

□ Discuss (149)

□ Submissions i Java

◆ Autocomplete 1 v class Solution {
2 v public String findSmallestRegion(List<List<String>> regions, String region1, String region2) { 1257. Smallest Common Region Medium ௴ 259 ♀ 26 ♡ Add to List ௴ Share You are given some lists of regions where the first region of each list includes all other regions in that Naturally, if a region x contains another region y then x is bigger than y. Also, by definition, a region x contains itself. Given two regions: region1 and region2, return the smallest region that contains both of them. If you are given regions r1, r2, and r3 such that r1 includes r3, it is guaranteed there is no r2 such that r2 includes r3. It is guaranteed the smallest region exists. Example 1: Input: regions = [["Earth","North America","South America"], ["North America","United States","Canada"], ["United States","New York","Boston"], ["Canada","Ontario","Quebec"], ["South America","Brazil"]], region1 = "Quebec", region2 = "New York" Output: "North America" Example 2: Input: regions = [["Earth", "North America", "South America"],["North America", "United States", "Canada"],["United States", "New York", "Boston"],["Canada", "Ontario", "Quebec"],["South America", "Brazil"]], region1 = "Canada", region2 = "South America" Output: "Earth" **Constraints:** • 2 <= regions.length <= 10⁴ • 2 <= regions[i].length <= 20 • 1 <= regions[i][j].length, region1.length, region2.length <= 20 • region1 != region2 regions[i][j], region1, and region2 consist of English letters. Accepted 11,301 Submissions 18,218 Seen this question in a real interview before? Yes No Companies 🛅 i 0 ~ 6 months 6 months ~ 1 year 1 year ~ 2 years Airbnb | 3 **Related Topics**

Array Hash Table String Tree Depth-First Search Breadth-First Search

The problem is reduced to finding the lowest common ancestor of two nodes in a tree.

Easy

Medium

Similar Questions

Hide Hint 1

Hide Hint 2

Hide Hint 3

The given graph is a tree.

Lowest Common Ancestor of a Binary Search Tree

Lowest Common Ancestor of a Binary Tree

Try to model the problem as a graph problem.

[™] LeetCoding Challenge + GIVEAWAY! [™] ×

i {} ⊖ ⊕ □