666. Path Sum IV Premium Companies Medium ○ Topics If the depth of a tree is smaller than 5, then this tree can be represented by an array of three-digit integers. You are given an ascending array nums consisting of three-digit integers representing a binary tree with a depth smaller than 5, where for each integer: • The hundreds digit represents the depth d of this node, where $1 \ll d \ll 4$. • The tens digit represents the position p of this node within its level, where 1 <= p <= 8, corresponding to its position in a full binary tree. • The units digit represents the value v of this node, where 0 <= v <= 9. Return the sum of all paths from the root towards the leaves. It is **guaranteed** that the given array represents a valid connected binary tree. Example 1: 5 **Input:** nums = [113, 215, 221]Output: 12 **Explanation:** The tree that the list represents is shown. The path sum is (3 + 5) + (3 + 1) = 12. Example 2: **Input:** nums = [113,221]Output: 4 **Explanation:** The tree that the list represents is shown. The path sum is (3 + 1) = 4. Constraints: 1 <= nums.length <= 15 • 110 <= nums[i] <= 489 nums represents a valid binary tree with depth less than 5. nums is sorted in ascending order. Seen this question in a real interview before? 1/5 Yes No Accepted 39K Submissions 62.4K Acceptance Rate 62.5% Topics Hash Table Tree Depth-First Search Array **Binary Tree** Companies 0 - 6 months Alibaba 2 6 months ago TikTok 12 ₩ Similar Questions Path Sum Path Sum II Medium Binary Tree Maximum Path Sum Hard Path Sum III Medium Discussion (11) Copyright © 2024 LeetCode All rights reserved