694. Number of Distinct Islands Premium **€** Companies **♡** Topics Medium You are given an m x n binary matrix grid. An island is a group of 1's (representing land) connected 4-directionally (horizontal or vertical.) You may assume all four edges of the grid are surrounded by water. An island is considered to be the same as another if and only if one island can be translated (and not rotated or reflected) to equal the other. Return the number of distinct islands. Example 1: 0 0 0 0 0 0 0 Input: grid = [[1,1,0,0,0],[1,1,0,0,0],[0,0,0,1,1],[0,0,0,1,1]]Output: 1 Example 2: 0 0 0 0 0 Input: grid = [[1,1,0,1,1],[1,0,0,0,0],[0,0,0,0,1],[1,1,0,1,1]]Output: 3 Constraints: m == grid.length • n == grid[i].length • 1 <= m, n <= 50 grid[i][j] is either 0 or 1. Seen this question in a real interview before? 1/5 Yes No Accepted 177.8K Submissions 288.1K Acceptance Rate 61.7% Topics Hash Table Depth-First Search Breadth-First Search Union Find Hash Function Companies 0 - 3 months TikTok 9 0 - 6 months Splunk 2 Amazon 7 6 months ago Microsoft 5 Meta 4 Oracle 2 **₹** Similar Questions Number of Islands Number of Distinct Islands II 🚡 Hard Count Sub Islands Medium Discussion (13) Copyright © 2024 LeetCode All rights reserved