## 694. Number of Distinct Islands Premium

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.

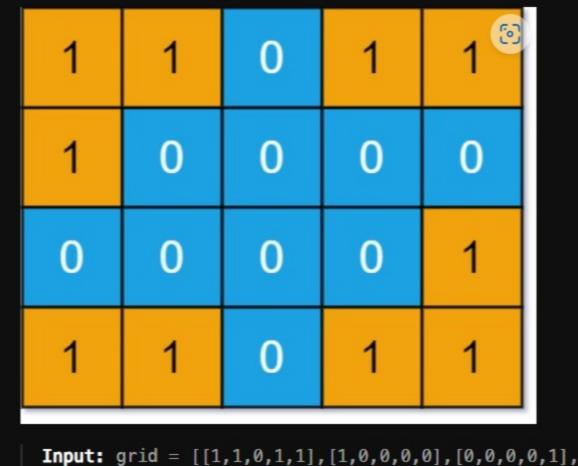
Return the number of distinct islands.

## Example 1:

1	1	0	0	0
1	1	0	0	0
0	0	0	1	1
0	0	0	1	1

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:



[1,1,0,1,1]]Output: 3

## m == grid.length

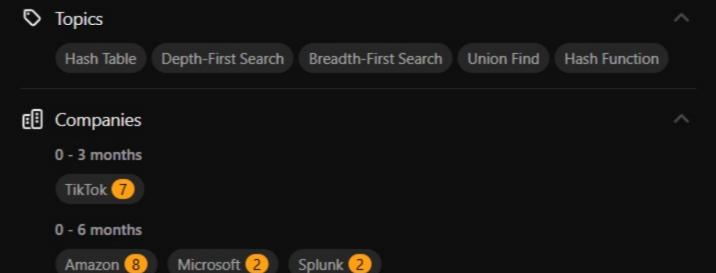
Constraints:

- n == grid[i].length
- 1 <= m, n <= 50
- grid[i][j] is either 0 or 1.

Yes No

Accepted 177.4K Submissions 287.5K Acceptance Rate 61.7%

Seen this question in a real interview before? 1/5



Medium

Medium

Hard

6 months ago Meta 4 Oracle 2

Number of Islands Number of Distinct Islands II 🚡

**Count Sub Islands** 

Discussion (11)

Copyright © 2024 LeetCode All rights reserved