Day 5 Problems(/problemset/all/) Interview Contest









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5776. Determine Whether Matrix Can Be Obtained By Rotation

My Submissions (/contest/weekly-contest-244/problems/determine-whether-matrix-can-be-obtained-by-rotation/submissions/)

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Given two n x n binary matrices mat and target, return true if it is possible to make mat equal to target by rotating mat in 90-degree increments, or false otherwise.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	(Easy)

Example 1:

0	1		1	0
1	0	/	0	1

Input: mat = [[0,1],[1,0]], target = [[1,0],[0,1]]

Output: true

Explanation: We can rotate mat 90 degrees clockwise to make mat equal target.

Example 2:

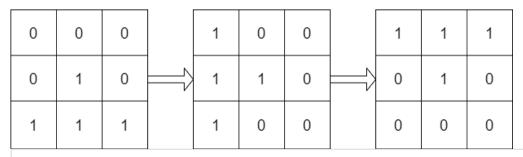
0	1	1	0
1	1	0	1

Input: mat = [[0,1],[1,1]], target = [[1,0],[0,1]]

Output: false

Explanation: It is impossible to make mat equal to target by rotating mat.

Example 3:



Input: mat = [[0,0,0],[0,1,0],[1,1,1]], target = [[1,1,1],[0,1,0],[0,0,0]]

Output: true

Explanation: We can rotate mat 90 degrees clockwise two times to make mat equal target.

Constraints:

- n == mat.length == target.length
- n == mat[i].length == target[i].length
- 1 <= n <= 10
- mat[i][j] and target[i][j] are either 0 or 1.



United States (/region)

Determine Whether Matrix Can Be Obtained By Rotation - LeetCode Contest JavaScript $1 \cdot \text{const findRotation} = (g, t) \Rightarrow \{$ for (let i = 1; i <= 4; i++) { 3 rotate(g); 4 if (isSame(g, t)) return 1; 5 6 return 0; 7 }; 8 $9 \vee const isSame = (g, t) \Rightarrow \{$ let n = g.length; 10 for (let i = 0; i < n; i++) { 11 ▼ for (let j = 0; j < n; j++) { 12 🔻 13 if (g[i][j] != t[i][j]) return 0; 14 15 } 16 return 1; } 17 18 19 v const rotate = (g) ⇒ { 20 let n = g.length; 21 ▼ for (let i = 0; i < n >> 1; i++) { 22 ▼ for (let j = i; j < n - i - 1; j++) { let tmp = g[i][j]; 23 24 g[i][j] = g[n - 1 - j][i];25 g[n - 1 - j][i] = g[n - 1 - i][n - 1 - j];g[n - 1 - i][n - 1 - j] = g[j][n - 1 - i];26 27 g[j][n - 1 - i] = tmp;28 } 29 } 30 }; ☐ Custom Testcase Use Example Testcases Run Submit
Su Submission Result: Accepted (/submissions/detail/503631433/) @ More Details > (/submissions/detail/503631433/) Share your acceptance! Copyright @ 2021 LeetCode Help Center (/support) | Jobs (/jobs) | Bug Bounty (/bugbounty) | Online Interview (/interview/) | Students (/student) | Terms (/terms) Privacy Policy (/privacy)