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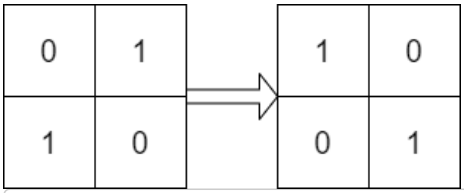
Given two `n x n` binary matrices `mat` and `target`, return `true` *if it is possible to make* `mat` *equal to* `target` *by* ***rotating*** `mat` *in* ***90-degree increments****, or* `false` *otherwise.*

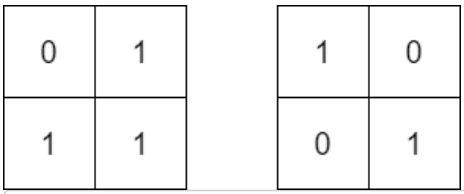
User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:



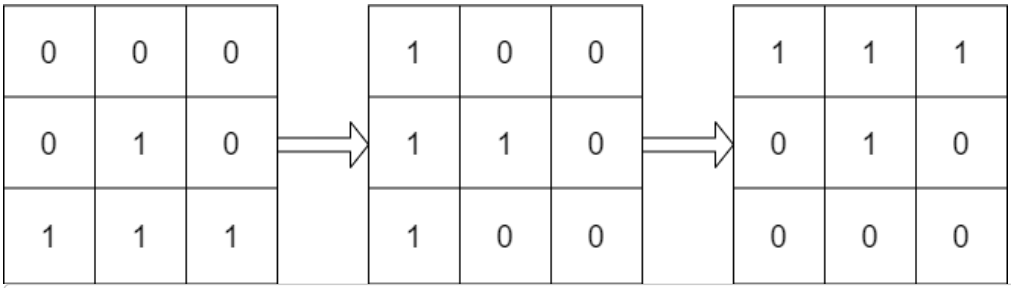

```
Input: mat = [[0,1],[1,0]], target = [[1,0],[0,1]]
Output: true
Explanation: We can rotate mat 90 degrees clockwise to make mat equal target.
```

Example 2:




```
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`.

JavaScript

```javascript
const findRotation = (g, t) => {
    for (let i = 1; i <= 4; i++) {
        rotate(g);
        if (isSame(g, t)) return 1;
    }
    return 0;
};

const isSame = (g, t) => {
    let n = g.length;
    for (let i = 0; i < n; i++) {
        for (let j = 0; j < n; j++) {
            if (g[i][j] != t[i][j]) return 0;
        }
    }
    return 1;
}

const rotate = (g) => {
    let n = g.length;
    for (let i = 0; i < n >> 1; i++) {
        for (let j = i; j < n - i - 1; j++) {
            let tmp = g[i][j];
            g[i][j] = g[n - 1 - j][i];
            g[n - 1 - j][i] = g[n - 1 - i][n - 1 - j];
            g[n - 1 - i][n - 1 - j] = g[j][n - 1 - i];
            g[j][n - 1 - i] = tmp;
        }
    }
};
```

Custom Testcase | Use Example Testcases

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Submission Result: Accepted (/submissions/detail/503631433/) | More Details > (/submissions/detail/503631433/)

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