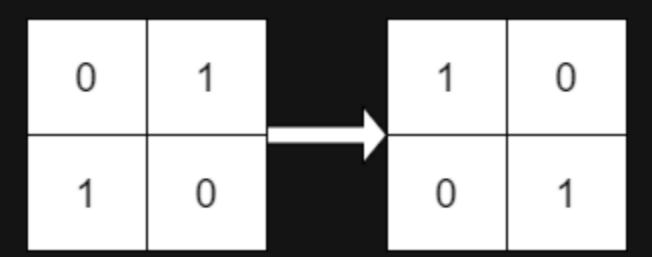
# 1886. Determine Whether Matrix Can Be Obtained By Rotation

# Description

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.

## 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:

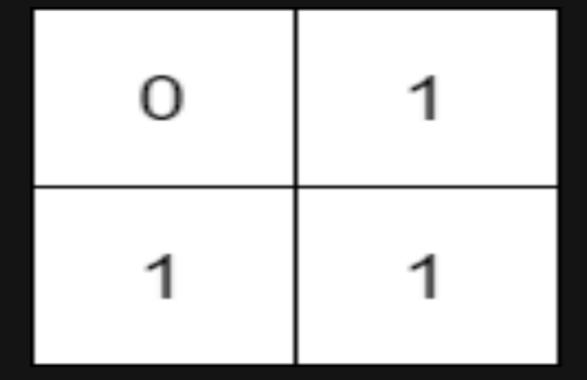
| 0 | 1 | 1 | 0 |
|---|---|---|---|
| 1 | 1 | 0 | 1 |

**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.