2319. Check if Matrix Is X-Matrix

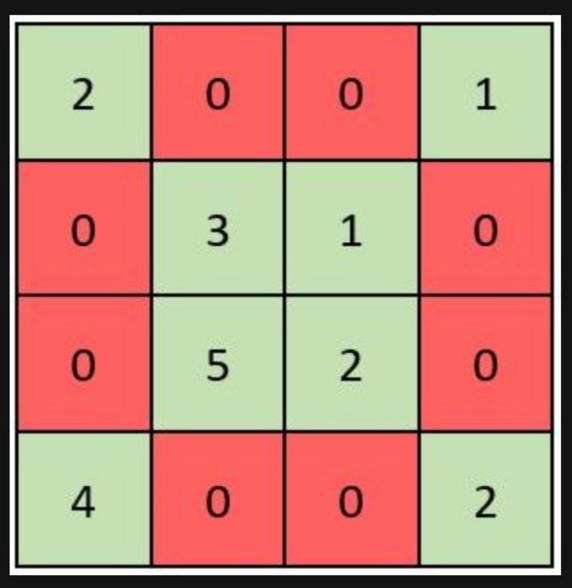
Description

A square matrix is said to be an **X-Matrix** if **both** of the following conditions hold:

1. All the elements in the diagonals of the matrix are **non-zero**.
2. All other elements are 0.

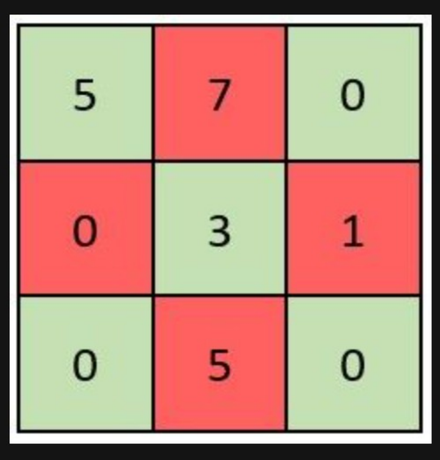
Given a 2D integer array `grid` of size `n x n` representing a square matrix, return `true` *if* `grid` *is an X-Matrix*. Otherwise, return `false`.

Example 1:




```
Input: grid = [[2,0,0,1],[0,3,1,0],[0,5,2,0],[4,0,0,2]]
Output: true
Explanation: Refer to the diagram above.
An X-Matrix should have the green elements (diagonals) be non-zero and the red elements be 0.
Thus, grid is an X-Matrix.
```

Example 2:




```
Input: grid = [[5,7,0],[0,3,1],[0,5,0]]
Output: false
Explanation: Refer to the diagram above.
An X-Matrix should have the green elements (diagonals) be non-zero and the red elements be 0.
Thus, grid is not an X-Matrix.
```

Constraints:

- `n == grid.length == grid[i].length`
- `3 <= n <= 100`
- `0 <= grid[i][j] <= 10^5`