

5976. Check if Every Row and Column Contains All Numbers

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An $n \times n$ matrix is **valid** if every row and every column contains **all** the integers from 1 to n (**inclusive**).
Given an $n \times n$ integer matrix `matrix`, return `true` if the matrix is **valid**. Otherwise, return `false`.

User Accepted:	4691
User Tried:	5775
Total Accepted:	4742
Total Submissions:	8822
Difficulty:	Easy

Example 1:

1	2	3
3	1	2
2	3	1

Input: `matrix = [[1,2,3],[3,1,2],[2,3,1]]`
Output: `true`
Explanation: In this case, $n = 3$, and every row and column contains the numbers 1, 2, and 3. Hence, we return `true`.

Example 2:

1	1	1
1	2	3
1	2	3

Input: `matrix = [[1,1,1],[1,2,3],[1,2,3]]`
Output: `false`
Explanation: In this case, $n = 3$, but the first row and the first column do not contain the numbers 2 or 3. Hence, we return `false`.

Constraints:

- $n == \text{matrix.length} == \text{matrix}[i].\text{length}$
- $1 \leq n \leq 100$
- $1 \leq \text{matrix}[i][j] \leq n$

JavaScript

```
1 const checkValid = (g) => {
2   let n = g.length;
3   for (const a of g) {
```

```
4      let se = new Set();
5      for (const x of a) se.add(x);
6      if (se.size !== n) return false;
7  }
8  for (let i = 0; i < n; i++) {
9      let se = new Set();
10     for (let j = 0; j < n; j++) {
11         se.add(g[j][i]);
12     }
13     if (se.size !== n) return false;
14 }
15 return true;
16 };
```

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