5518. Find Valid Matrix Given Row and Column Sums

Submissions (/contest/biweekly-contest-36/problems/find-valid-matrix-given-row-and-column-sums/submissions/)

to Contest (/contest/biweekly-contest-36/)

You are given two arrays <code>rowSum</code> and <code>colSum</code> of non-negative integers where <code>rowSum[i]</code> is the sum of the elements in the <code>ith</code> row and <code>colSum[j]</code> is the sum of the elements of the <code>jth</code> column of a 2D matrix. In other words, you do not know the elements of the matrix, but you do know the sums of each row and column.

Find any matrix of **non-negative** integers of size rowSum.length x colSum.length that satisfies the rowSum and colSum requirements.

Return a 2D array representing **any** matrix that fulfills the requirements. It's guaranteed that **at least one** matrix that fulfills the requirements exists.

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

Example 1:

Example 2:

Example 3:

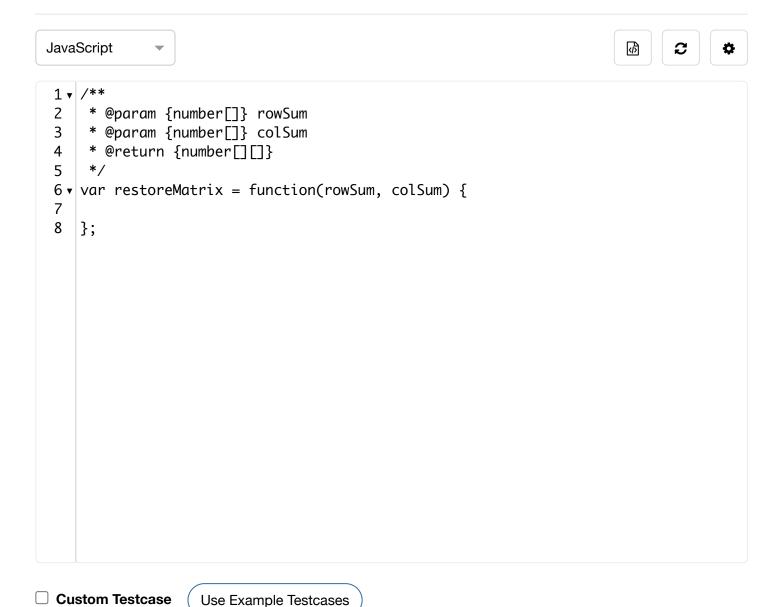
Example 4:

Example 5:

```
Input: rowSum = [0], colSum = [0]
Output: [[0]]
```

Constraints:

- 1 <= rowSum.length, colSum.length <= 500
- 0 <= rowSum[i], colSum[i] <= 10⁸
- sum(rows) == sum(columns)



△ Submit

Run