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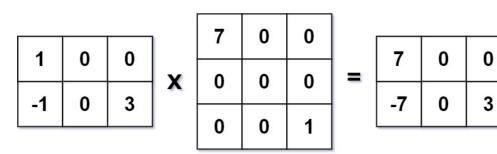
1 v class Solution {
2 v public int[][] multiply(int[][] mat1, int[][] mat2) {

311. Sparse Matrix Multiplication

Medium ௴ 717 夘 268 ♡ Add to List ௴ Share

Given two sparse matrices mat1 of size m \times k and mat2 of size k \times n, return the result of mat1 x mat2. You may assume that multiplication is always possible.

Example 1:



Input: mat1 = [[1,0,0],[-1,0,3]], mat2 = [[7,0,0],[0,0,0],[0,0,1]]
Output: [[7,0,0],[-7,0,3]]

Example 2:

Input: mat1 = [[0]], mat2 = [[0]]
Output: [[0]]

.

Constraints:

m == mat1.length
k == mat1[i].length == mat2.length
n == mat2[i].length

1 <= m, n, k <= 100-100 <= mat1[i][j], mat2[i][j] <= 100

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Seen this question in a real interview before?

Yes

No

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