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ref=nb_npl)

6472. Sum of Matrix After Queries

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You are given an integer n and a **0-indexed 2D array** queries where queries $[i] = [type_i, index_i, val_i]$.

Initially, there is a **0-indexed** n x n matrix filled with **0** 's. For each query, you must apply one of the following changes:

- if $type_i == 0$, set the values in the row with $index_i$ to val_i , overwriting any previous values.
- if type; == 1, set the values in the column with index; to val; overwriting any previous values.

Return the sum of integers in the matrix after all queries are applied.

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

Example 1:

Init	ial Ma	al Matrix Query 0			Query 1				(Query	2	Query 3				
0	0	0		1	1	1	1	1	2		1	1	2	4	1	2
0	0	0		0	0	0	0	0	2		0	0	2	4	0	2
0	0	0		0	0	0	0	0	2		3	3	3	4	3	3

Input: n = 3, queries = [[0,0,1],[1,2,2],[0,2,3],[1,0,4]]

Output: 23

Explanation: The image above describes the matrix after each query. The sum of the matrix after all queries are applied is 23.

Example 2:

Init	ial Ma	trix	Ç	Query	0	Query 1			Query 2					Ç	Query 3		
0	0	0	4	4	4	4	4	4		1	4	4		1	4	4	
0	0	0	0	0	0	2	2	2		1	2	2		1	2	2	
0	0	0	0	0	0	0	0	0		1	0	0		3	3	3	

Query 4

1	4	1
1	2	1
3	3	1

Input: n = 3, queries = [[0,0,4],[0,1,2],[1,0,1],[0,2,3],[1,2,1]]

Output: 17

Explanation: The image above describes the matrix after each query. The sum of the matrix after all queries are applied is 17.

Constraints:

- 1 <= n <= 10⁴
- 1 <= queries.length <= 5 * 10⁴
- queries[i].length == 3
- $0 \ll type_i \ll 1$
- $0 \le index_i < n$
- 0 <= val_i <= 10^5

JavaScript

- 1 v const matrixSumQueries = (n, queries) => {
- let usedRow = new Set(), usedCol = new Set(), res = 0; 2
- queries.reverse();

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                                                                Sum of Matrix After Queries - LeetCode Contest
   4 ▼
           for (const [type, idx, v] of queries) \{
   5 ▼
                if (type == 0) {
   6 ▼
                    if (!usedRow.has(idx)) {
   7
                        usedRow.add(idx);
   8
                        let cnt = n - usedCol.size;
   9
                         res += v * cnt;
  10
                    }
  11 ▼
               } else {
  12 ▼
                    if (!usedCol.has(idx)) {
  13
                        usedCol.add(idx)
  14
                        let cnt = n - usedRow.size;
                         res += v * cnt;
  15
 16
 17
               }
  18
           }
  19
           return res;
  20
      };
☐ Custom Testcase
                       Use Example Testcases
                                                                                                                               Run
                                                                                                                                         △ Submit
Submission Result: Accepted (/submissions/detail/963424818/) ?
                                                                               More Details > (/submissions/detail/963424818/)
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