6092. Replace Elements in an Array

My Submissions (/contest/weekly-contest-296/problems/replace-elements-in-an-array/submissions/) Back to Contest (/contest/weekly-contest-296/) You are given a 0-indexed array nums that consists of n distinct positive integers. Apply m operations to this array, where User Accepted: 0 in the $\,i^{\text{th}}$ operation you replace the number operations[i][0] with operations[i][1] . User Tried: 0 It is guaranteed that in the ith operation: • operations[i][0] exists in nums. Total Accepted: 0 • operations[i][1] does not exist in nums. **Total Submissions:** 0 Return the array obtained after applying all the operations. Difficulty: Medium

Example 1:

```
Input: nums = [1,2,4,6], operations = [[1,3],[4,7],[6,1]]
Output: [3,2,7,1]
Explanation: We perform the following operations on nums:
- Replace the number 1 with 3. nums becomes [3,2,4,6].
- Replace the number 4 with 7. nums becomes [3,2,7,6].
- Replace the number 6 with 1. nums becomes [3,2,7,1].
We return the final array [3,2,7,1].
```

Example 2:

```
Input: nums = [1,2], operations = [[1,3],[2,1],[3,2]]
Output: [2,1]
Explanation: We perform the following operations to nums:
- Replace the number 1 with 3. nums becomes [3,2].
- Replace the number 2 with 1. nums becomes [3,1].
- Replace the number 3 with 2. nums becomes [2,1].
We return the array [2,1].
```

Constraints:

- n == nums.length
 m == operations.length
 1 <= n, m <= 10⁵
 All the values of nums are distinct.
 operations[i].length == 2
- 1 <= nums[i], operations[i][0], operations[i][1] <= 10^6
- operations [i] [0] will exist in nums when applying the ith operation.
- operations [i] [1] will not exist in nums when applying the i^{th} operation.

```
JavaScript
                                                                                                                           {f c}
1 v const arrayChange = (a, operations) ⇒ {
2
        let n = a.length, m = new Map(), res = Array(n).fill(0);
3
        for (let i = 0; i < n; i++) m.set(a[i], i);
4
        for (const [x, y] of operations) {
5
            let idx = m.get(x);
6
            m.delete(x);
7
            m.set(y, idx);
8
9
        for (const [x, idx] of m) res[idx] = x;
10
        return res;
11
   };
```

United States (/region)