

88. Merge Sorted Array

👍 541

👎 1847



Description (/problems/merge-sorted-array/description/)

Hints (/problems/merge-sorted-array/hints/)

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Notes

Given two sorted integer arrays *nums1* and *nums2*, merge *nums2* into *nums1* as one sorted array.

Note:

- The number of elements initialized in *nums1* and *nums2* are *m* and *n* respectively.
- You may assume that *nums1* has enough space (size that is greater or equal to $m + n$) to hold additional elements from *nums2*.

Example:**Input:**`nums1 = [1,2,3,0,0,0], m = 3``nums2 = [2,5,6], n = 3`**Output:** `[1,2,2,3,5,6]`Seen this question in a real interview before? **Subscribe** (/subscribe/) to see which companies asked this question.

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JavaScript



```
1  /**
2   * @param {number[]} nums1
3   * @param {number} m
4   * @param {number[]} nums2
5   * @param {number} n
6   * @return {void} Do not return anything, modify nums1 in-place instead.
7   */
8  var merge = function(nums1, m, nums2, n) {
9      nums1 = nums1.filter(function(val) {
10         return val !== 0;
11     });
```

```
11     });  
12     Array.prototype.push.apply(nums1, nums2);  
13     nums1.sort();  
14     console.log(nums1);  
15 };
```

 Notes☐ Custom Testcase ([Contribute](#))[Run Code](#)[Submit Solution](#)

Submission Result: **Wrong Answer** (/submissions/detail/163700600/)

[More Details](#) (/submissions/detail/163700600/)[>_](#)

Input: [1,2,3,0,0,0]
 3
 [2,5,6]
 3

Output: [1,2,3,0,0,0]

Expected: [1,2,2,3,5,6]

Run Code Status: **Finished**

Run Code Result:

Your input

```
[1,2,3,0,0,0]  
3  
[2,5,6]  
3
```

Your stdout

```
[ 1, 2, 3 ]  
[ 1, 2, 2, 3, 5, 6 ]
```

Your answer

```
[1,2,3,0,0,0]
```

Expected answer

```
[1,2,2,3,5,6]
```

[Show Diff](#)

Runtime: 76 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (</faq/#different-output>) out.

 Notes