2605. Form Smallest Number From Two Digit Arrays

Hint ⋯

Easy ⊘ 👍 134 👎 7 ☆ ⤢

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Given two arrays of **unique** digits `nums1` and `nums2`, return *the **smallest** number that contains **at least** one digit from each array.*

Example 1:

> **Input:** nums1 = [4,1,3], nums2 = [5,7]
> **Output:** 15
> **Explanation:** The number 15 contains the digit 1 from nums1 and the digit 5 from nums2. It can be proven that 15 is the smallest number we can have.

Example 2:

> **Input:** nums1 = [3,5,2,6], nums2 = [3,1,7]
> **Output:** 3
> **Explanation:** The number 3 contains the digit 3 which exists in both arrays.

Constraints:

- `1 <= nums1.length, nums2.length <= 9`
- `1 <= nums1[i], nums2[i] <= 9`
- All digits in each array are **unique**.

Accepted **19.7K**   Submissions **37.1K**   Acceptance Rate **53.1%**

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Yes   No

Discussion (3)   ⌄

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