6327. Form Smallest Number From Two Digit Arrays

My Submissions (/contest/biweekly-contest-101/problems/form-smallest-number-from-two-digit-arrays/submissions/)

Back to Contest (/contest/biweekly-contest-101/)

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

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

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
```

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**.

JavaScript

```
const minNumber = (a, b) => {
    let both = [];
    for (const x of a) {
        if (b.includes(x)) both.push(x);
    }
    if (both.length > 0) return Math.min(...both);
    let pa = Math.min(...a), pb = Math.min(...b);
    return pa < pb ? pa + "" + pb : pb + "" + pa;
};
```

Custom Testcase Use Example Testcases

Run Submit

Submission Result: Accepted (/submissions/detail/925948767/) More Details (/submissions/detail/925948767/)

Share your acceptance!