

5894. Two Out of Three

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Given three integer arrays `nums1`, `nums2`, and `nums3`, return a **distinct** array containing all the values that are present in **at least two** out of the three arrays. You may return the values in **any** order.

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

Example 1:

**Input:** `nums1 = [1,1,3,2], nums2 = [2,3], nums3 = [3]`  
**Output:** `[3,2]`  
**Explanation:** The values that are present in at least two arrays are:  
- 3, in all three arrays.  
- 2, in `nums1` and `nums2`.

Example 2:

**Input:** `nums1 = [3,1], nums2 = [2,3], nums3 = [1,2]`  
**Output:** `[2,3,1]`  
**Explanation:** The values that are present in at least two arrays are:  
- 2, in `nums2` and `nums3`.  
- 3, in `nums1` and `nums2`.  
- 1, in `nums1` and `nums3`.

Example 3:

**Input:** `nums1 = [1,2,2], nums2 = [4,3,3], nums3 = [5]`  
**Output:** `[]`  
**Explanation:** No value is present in at least two arrays.

Constraints:

- 1 <= `nums1.length`, `nums2.length`, `nums3.length` <= 100
- 1 <= `nums1[i]`, `nums2[j]`, `nums3[k]` <= 100

JavaScript

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⚙️

```
1 const twoOutOfThree = (a1, a2, a3) => {
2   let a = new Set([...a1, ...a2, ...a3]);
3   let s1 = new Set(a1), s2 = new Set(a2), s3 = new Set(a3);
4   let res = new Set();
5   for (const x of a) {
6     if (s1.has(x) && s2.has(x)) res.add(x);
7     if (s1.has(x) && s3.has(x)) res.add(x);
8     if (s2.has(x) && s3.has(x)) res.add(x);
9   }
10  return [...res];
11 };
```

☐ Custom Testcase

Use Example Testcases

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