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Description

Solution

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349. Intersection of Two Arrays

Easy

👍 5962

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Given two integer arrays `nums1` and `nums2`, return *an array of their intersection*. Each element in the result must be **unique** and you may return the result in **any order**.

Example 1:

Input: `nums1 = [1,2,2,1]`, `nums2 = [2,2]`

Output: `[2]`

Example 2:

Input: `nums1 = [4,9,5]`, `nums2 = [9,4,9,8,4]`

Output: `[9,4]`

Explanation: `[4,9]` is also accepted.

Constraints:

- `1 <= nums1.length, nums2.length <= 1000`
- `0 <= nums1[i], nums2[i] <= 1000`

Accepted 1,207,683

Submissions 1,620,817

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Yes

No

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```
1 class Solution:
2     def intersection(self, nums1: List[int], nums2:
3         List[int]) -> List[int]:
4         set1 = set(nums1)
5         set2 = set(nums2)
6         intersectionSet = set1 & set2
7         return list(intersectionSet)
```

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