

# 3396. Minimum Number of Operations to Make Elements in Array Distinct

Easy Topics Companies Hint

You are given an integer array `nums`. You need to ensure that the elements in the array are **distinct**. To achieve this, you can perform the following operation any number of times:

- Remove 3 elements from the beginning of the array. If the array has fewer than 3 elements, remove all remaining elements.

**Note** that an empty array is considered to have distinct elements. Return the **minimum** number of operations needed to make the elements in the array distinct.

## Example 1:

Input: `nums = [1,2,3,4,2,3,3,5,7]`

Output: 2

### Explanation:

- In the first operation, the first 3 elements are removed, resulting in the array `[4, 2, 3, 3, 5, 7]`.
- In the second operation, the next 3 elements are removed, resulting in the array `[3, 5, 7]`, which has distinct elements.

Therefore, the answer is 2.

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EditorialSolution

Runtime

0 ms | Beats 100.00%

Analyze Complexity

@ Memory

17.76 MB | Beats 73.67%

Time Interval	Percentage
0-2ms	~20%
2-4ms	~4%
4-6ms	~4%
6-8ms	~18%
8-10ms	~9%
10-12ms	~4%
12-14ms	~3%
14-16ms	~3%

```
1 class Solution:
2     def minimumOperations(self, nums: List[int]) -> int:
3         seen = set()
4         i = len(nums)
5         for n in reversed(nums):
6             if n not in seen:
7                 i -= 1
8                 seen.add(n)
9             else:
10                break
11
12        return ceil(i / 3)
```