Problem 2540: Minimum Common Value

Problem Information

Difficulty: Easy
Acceptance Rate: 58.00%
Paid Only: No
Tags: Array, Hash Table, Two Pointers, Binary Search

Problem Description

Given two integer arrays `nums1` and `nums2`, sorted in non-decreasing order, return _the**minimum integer common** to both arrays_. If there is no common integer amongst `nums1` and `nums2`, return `-1`.

Note that an integer is said to be **common** to `nums1` and `nums2` if both arrays have **at least one** occurrence of that integer.

Example 1:

Input: nums1 = [1,2,3], nums2 = [2,4] **Output:** 2 **Explanation:** The smallest element common to both arrays is 2, so we return 2.

Example 2:

Input: nums1 = [1,2,3,6], nums2 = [2,3,4,5] **Output:** 2 **Explanation:** There are two common elements in the array 2 and 3 out of which 2 is the smallest, so 2 is returned.

Constraints:

* `1 <= nums1.length, nums2.length <= 105` * `1 <= nums1[i], nums2[j] <= 109` * Both `nums1` and `nums2` are sorted in **non-decreasing** order.

Code Snippets

C++:

```
class Solution {
public:
int getCommon(vector<int>& nums1, vector<int>& nums2) {

}
};
```

Java:

```
class Solution {
public int getCommon(int[] nums1, int[] nums2) {

}
}
```

Python3:

```
class Solution:
def getCommon(self, nums1: List[int], nums2: List[int]) -> int:
```