5478. Get the Maximum Score

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You are given two **sorted** arrays of distinct integers `nums1` and `nums2`.

A **valid path** is defined as follows:

- Choose array nums1 or nums2 to traverse (from index-0).
- Traverse the current array from left to right.
- If you are reading any value that is present in `nums1` and `nums2` you are allowed to change your path to the other array. (Only one repeated value is considered in the valid path).
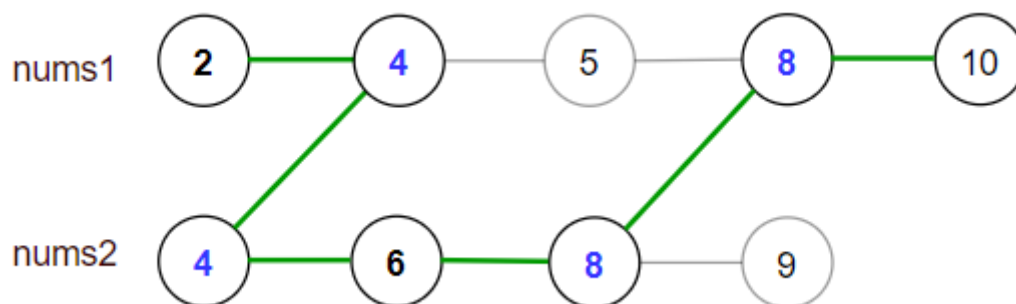
Score is defined as the sum of uniques values in a valid path.

Return the maximum *score* you can obtain of all possible **valid paths**.

Since the answer may be too large, return it modulo 10^9 + 7.

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

Example 1:


```
Input: nums1 = [2,4,5,8,10], nums2 = [4,6,8,9]
Output: 30
Explanation: Valid paths:
[2,4,5,8,10], [2,4,5,8,9], [2,4,6,8,9], [2,4,6,8,10],  (starting from nums1)
[4,6,8,9], [4,5,8,10], [4,5,8,9], [4,6,8,10]    (starting from nums2)
The maximum is obtained with the path in green [2,4,6,8,10].
```

Example 2:

```
Input: nums1 = [1,3,5,7,9], nums2 = [3,5,100]
Output: 109
Explanation: Maximum sum is obtained with the path [1,3,5,100].
```

Example 3:

```
Input: nums1 = [1,2,3,4,5], nums2 = [6,7,8,9,10]
Output: 40
Explanation: There are no common elements between nums1 and nums2.
Maximum sum is obtained with the path [6,7,8,9,10].
```

Example 4:

```
Input: nums1 = [1,4,5,8,9,11,19], nums2 = [2,3,4,11,12]
Output: 61
```

Constraints:

- `1 <= nums1.length <= 10^5`
- `1 <= nums2.length <= 10^5`
- `1 <= nums1[i], nums2[i] <= 10^7`
- `nums1` and `nums2` are strictly increasing.

JavaScript ▼

```javascript
1 ▼ /**
2    * @param {number[]} nums1
3    * @param {number[]} nums2
4    * @return {number}
5    */
6 ▼ var maxSum = function(nums1, nums2) {
7
8    };
```

☐ **Custom Testcase** (Use Example Testcases)