Find the Value of the Partition

You are given a **positive** integer array nums.

Partition nums into two arrays, nums1 and nums2, such that:

- Each element of the array nums belongs to either the array nums1 or the array nums2.
- Both arrays are **non-empty**.
- The value of the partition is **minimized**.

The value of the partition is |max(nums1) - min(nums2)|.

Here, max(nums1) denotes the maximum element of the array nums1, and min(nums2) denotes the minimum element of the array nums2.

Return the integer denoting the value of such partition.

Example 1:

Input: nums = [1,3,2,4]

Output: 1

Explanation: We can partition the array nums into nums 1 = [1,2] and nums 2 = [3,4].

- The maximum element of the array nums1 is equal to 2.
- The minimum element of the array nums2 is equal to 3.

The value of the partition is |2 - 3| = 1.

It can be proven that 1 is the minimum value out of all partitions.

Example 2:

Input: nums = [100,1,10]

Output: 9

Explanation: We can partition the array nums into nums1 = [10] and nums2 = [100,1].

- The maximum element of the array nums1 is equal to 10.
- The minimum element of the array nums2 is equal to 1.

The value of the partition is |10 - 1| = 9.

It can be proven that 9 is the minimum value out of all partitions.

Constraints:

- 2 <= nums.length <= 10⁵
- 1 <= nums[i] <= 10⁹