

Hard 2234 299 Add to List Share

You must write an algorithm that runs in linear time and uses linear extra space.

Input: nums = [3,6,9,1]
Output: 3
Explanation: The sorted form of the array is [1,3,6,9], either (3,6) or (6,9) has the maximum difference 3.

Input: nums = [10]
Output: 0
Explanation: The array contains less than 2 elements, therefore return 0.

- $1 \leq \text{nums.length} \leq 10^5$
- $0 \leq \text{nums}[i] \leq 10^9$

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```
1 class Solution {
2     public int maximumGap(int[] nums) {
3
4     }
5 }
```