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## 164. Maximum Gap

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Given an integer array `nums`, return the *maximum difference between two successive elements in its sorted form*. If the array contains less than two elements, return `0`.

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

### Example 1:

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`.

### Example 2:

Input: `nums = [10]`

Output: `0`

Explanation: The array contains less than 2 elements, therefore return `0`.

### Constraints:

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

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```
1 class Solution {
2 public:
3     int maximumGap(vector<int>& nums) {
4     }
5 }
6
```

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