

6189. Longest Subarray With Maximum Bitwise AND

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You are given an integer array `nums` of size `n`.

Consider a **non-empty** subarray from `nums` that has the **maximum** possible **bitwise AND**.

- In other words, let `k` be the maximum value of the bitwise AND of **any** subarray of `nums`. Then, only subarrays with a bitwise AND equal to `k` should be considered.

Return *the length of the **longest** such subarray*.

The bitwise AND of an array is the bitwise AND of all the numbers in it.

A **subarray** is a contiguous sequence of elements within an array.

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

Example 1:

**Input:** `nums = [1,2,3,3,2,2]`  
**Output:** `2`  
**Explanation:**  
The maximum possible bitwise AND of a subarray is 3.  
The longest subarray with that value is `[3,3]`, so we return 2.

Example 2:

**Input:** `nums = [1,2,3,4]`  
**Output:** `1`  
**Explanation:**  
The maximum possible bitwise AND of a subarray is 4.  
The longest subarray with that value is `[4]`, so we return 1.


Constraints:

- `1 <= nums.length <= 105`
- `1 <= nums[i] <= 106`

JavaScript


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```
1 const cutMaxConsecutive = (as) => { let d = [], l = 0, n = as.length; for (let i = 0; i + 1 < n; i++) { if (as[i + 1] !== as[i]) { d.push(as.slice(l, i + 1)); l = i + 1; } } d.push(as.slice(l)); return d; };
2
3 const longestSubarray = (a) => {
4   let max = Math.max(...a), d = cutMaxConsecutive(a), res = 1;
5   for (const e of d) {
6     if (e[0] === max) res = Math.max(res, e.length);
7   }
8   return res;
9 };
```

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