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Description

Solution

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i Ruby

898. Bitwise ORs of Subarrays

Medium

410

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We have an array A of non-negative integers.

For every (contiguous) subarray $B = [A[i], A[i+1], \dots, A[j]]$ (with $i \leq j$), we take the bitwise OR of all the elements in B , obtaining a result $A[i] \mid A[i+1] \mid \dots \mid A[j]$.

Return the number of possible results. (Results that occur more than once are only counted once in the final answer.)

Example 1:

Input: `[0]`**Output:** `1`**Explanation:**

There is only one possible result: `0`.

Example 2:

Input: `[1,1,2]`**Output:** `3`**Explanation:**

The possible subarrays are `[1]`, `[1]`, `[2]`, `[1, 1]`, `[1, 2]`, `[1, 1, 2]`.

These yield the results `1`, `1`, `2`, `1`, `3`, `3`.

There are 3 unique values, so the answer is 3.

Example 3:

```
1 # @param {Integer[]} a
2 # @return {Integer}
3 def subarray_bitwise_o_
4
5 end
```

Problems

Pick One

< Prev

898/1467

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Console ▾

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