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Description Accepted Editorial Solutions Submissions

3173. Bitwise OR of Adjacent Elements

Solved Premium

Given an array `nums` of length n , return an array `answer` of length $n - 1$ such that $\text{answer}[i] = \text{nums}[i] \mid \text{nums}[i + 1]$ where \mid is the bitwise OR operation.

Example 1:

```
Input: nums = [1,3,7,15]
Output: [3,7,15]
```

Example 2:

```
Input: nums = [8,4,2]
Output: [12,6]
```

Example 3:

```
Input: nums = [5,4,9,11]
Output: [5,13,11]
```

Constraints:

- $2 \leq \text{nums.length} \leq 100$
- $0 \leq \text{nums}[i] \leq 100$

Seen this question in a real interview before? 1/5

Yes No

Accepted 6,027 / 6,4K | Acceptance Rate 94.7%

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24 9 0 Online Expected

Code

Python3 • Auto

```
1 class Solution:
2     def orArray(self, nums: List[int]) -> List[int]:
3         res = []
4
5         for i in range(0, len(nums) - 1):
6             res.append(nums[i] | nums[i+1])
7
8         return res
9
10
```

Ln 10, Col 9

Testcase Test Result

Accepted Runtime: 0 ms

Case 1 Case 2 Case 3

Input

```
nums =
[1,3,7,15]
```

Output

```
[3,7,15]
```