

Problem 3173: Bitwise OR of Adjacent Elements

Problem Information

Difficulty: Easy

Acceptance Rate: 94.70%

Paid Only: Yes

Tags: Array, Bit Manipulation

Problem Description

Given an array `nums` of length `n`, return an array `answer` of length `n - 1` such that `answer[i] = nums[i] | nums[i + 1]` where `|` 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 <= nums.length <= 100` `0 <= nums[i] <= 100`

Code Snippets

C++:

```
class Solution {  
public:  
    vector<int> orArray(vector<int>& nums) {  
  
    }  
};
```

Java:

```
class Solution {  
    public int[] orArray(int[] nums) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def orArray(self, nums: List[int]) -> List[int]:
```