

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]:
```