Problem 485: Max Consecutive Ones

Problem Information

Difficulty: Easy
Acceptance Rate: 0.00%
Paid Only: No

Problem Description

Given a binary array

nums

, return

the maximum number of consecutive

1

's in the array

.

Example 1:

Input:

nums = [1,1,0,1,1,1]

Output:

3

Explanation:

The first two digits or the last three digits are consecutive 1s. The maximum number of consecutive 1s is 3.

Example 2:

Input:

nums = [1,0,1,1,0,1]

Output:

2

Constraints:

1 <= nums.length <= 10

5

nums[i]

is either

0

or

1

.

Code Snippets

C++:

```
class Solution {
public:
int findMaxConsecutiveOnes(vector<int>& nums) {
```

```
}
};
```

Java:

```
class Solution {
public int findMaxConsecutiveOnes(int[] nums) {

}
}
```

Python3:

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

Python:

```
class Solution(object):
def findMaxConsecutiveOnes(self, nums):
"""
:type nums: List[int]
:rtype: int
"""
```

JavaScript:

```
/**
* @param {number[]} nums
* @return {number}
*/
var findMaxConsecutiveOnes = function(nums) {

};
```

TypeScript:

```
function findMaxConsecutiveOnes(nums: number[]): number {

};
```

C#:

```
public class Solution {
public int FindMaxConsecutiveOnes(int[] nums) {

}
}
```

C:

```
int findMaxConsecutiveOnes(int* nums, int numsSize) {

}
```

Go:

```
func findMaxConsecutiveOnes(nums []int) int {

}
```

Kotlin:

```
class Solution {
fun findMaxConsecutiveOnes(nums: IntArray): Int {

}
}
```

Swift:

```
class Solution {
func findMaxConsecutiveOnes(_ nums: [Int]) -> Int {

}
}
```

Rust:

```
impl Solution {
pub fn find_max_consecutive_ones(nums: Vec<i32>) -> i32 {

}
}
```

Ruby:

```
# @param {Integer[]} nums
# @return {Integer}
def find_max_consecutive_ones(nums)

end
```

PHP:

```
class Solution {

/**
* @param Integer[] $nums
* @return Integer
*/
function findMaxConsecutiveOnes($nums) {

}
}
```

Dart:

```
class Solution {
int findMaxConsecutiveOnes(List<int> nums) {

}
}
```

Scala:

```
object Solution {
def findMaxConsecutiveOnes(nums: Array[Int]): Int = {

}
}
```

Elixir:

```
defmodule Solution do
@spec find_max_consecutive_ones(nums :: [integer]) :: integer
def find_max_consecutive_ones(nums) do
```

```
end
end
```

Erlang:

```
-spec find_max_consecutive_ones(Nums :: [integer()]) -> integer().
find_max_consecutive_ones(Nums) ->
.
```

Racket:

```
(define/contract (find-max-consecutive-ones nums)
(-> (listof exact-integer?) exact-integer?)
)
```

Solutions

C++ Solution:

```
/*
* Problem: Max Consecutive Ones
* Difficulty: Easy
* Tags: array
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/

class Solution {
public:
int findMaxConsecutiveOnes(vector<int>& nums) {

}
};
```

Java Solution:

```
/**
* Problem: Max Consecutive Ones
```

```
* Difficulty: Easy
* Tags: array
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/

class Solution {
public int findMaxConsecutiveOnes(int[] nums) {

}
}
```

Python3 Solution:

```
"""
Problem: Max Consecutive Ones
Difficulty: Easy
Tags: array

Approach: Use two pointers or sliding window technique
Time Complexity: O(n) or O(n log n)
Space Complexity: O(1) to O(n) depending on approach
"""

class Solution:
def findMaxConsecutiveOnes(self, nums: List[int]) -> int:
# TODO: Implement optimized solution
pass
```

Python Solution:

```
class Solution(object):
def findMaxConsecutiveOnes(self, nums):
"""
:type nums: List[int]
:rtype: int
"""
```

JavaScript Solution:

```
/**
* Problem: Max Consecutive Ones
* Difficulty: Easy
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/**
* @param {number[]} nums
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var findMaxConsecutiveOnes = function(nums) {

};
```

TypeScript Solution:

```
/**
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* Difficulty: Easy
* Tags: array
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* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
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*/

function findMaxConsecutiveOnes(nums: number[]): number {

};
```

C# Solution:

```
/*
* Problem: Max Consecutive Ones
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* Tags: array
*
* Approach: Use two pointers or sliding window technique
```

```
* Time Complexity: O(n) or O(n log n)
* Space Complexity: O(1) to O(n) depending on approach
*/

public class Solution {
public int FindMaxConsecutiveOnes(int[] nums) {

}
}
```

C Solution:

```
/*
* Problem: Max Consecutive Ones
* Difficulty: Easy
* Tags: array
*
* Approach: Use two pointers or sliding window technique
* Time Complexity: O(n) or O(n log n)
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*/

int findMaxConsecutiveOnes(int* nums, int numsSize) {

}
```

Go Solution:

```
// Problem: Max Consecutive Ones
// Difficulty: Easy
// Tags: array
//
// Approach: Use two pointers or sliding window technique
// Time Complexity: O(n) or O(n log n)
// Space Complexity: O(1) to O(n) depending on approach

func findMaxConsecutiveOnes(nums []int) int {

}
```

Kotlin Solution:

```
class Solution {
fun findMaxConsecutiveOnes(nums: IntArray): Int {

}
}
```

Swift Solution:

```
class Solution {
func findMaxConsecutiveOnes(_ nums: [Int]) -> Int {

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}
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Rust Solution:

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// Problem: Max Consecutive Ones
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impl Solution {
pub fn find_max_consecutive_ones(nums: Vec<i32>) -> i32 {

}
}
```

Ruby Solution:

```
# @param {Integer[]} nums
# @return {Integer}
def find_max_consecutive_ones(nums)

end
```

PHP Solution:

```
class Solution {
```

```
/**
* @param Integer[] $nums
* @return Integer
*/
function findMaxConsecutiveOnes($nums) {

}
}
```

Dart Solution:

```
class Solution {
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object Solution {
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