Problem 1287: Element Appearing More Than 25% In Sorted Array

Problem Information

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

Problem Description

Given an integer array

sorted

in non-decreasing order, there is exactly one integer in the array that occurs more than 25% of the time, return that integer.

Example 1:

Input:

arr = [1,2,2,6,6,6,6,7,10]

Output:

6

Example 2:

Input:

arr = [1,1]

Output:

1

Constraints:

1 <= arr.length <= 10

4

0 <= arr[i] <= 10

5

Code Snippets

C++:

```
class Solution {
public:
int findSpecialInteger(vector<int>& arr) {

}
};
```

Java:

```
class Solution {
public int findSpecialInteger(int[] arr) {

}
}
```

Python3:

```
class Solution:
def findSpecialInteger(self, arr: List[int]) -> int:
```

Python:

```
class Solution(object):
def findSpecialInteger(self, arr):
```

```
"""
:type arr: List[int]
:rtype: int
"""
```

JavaScript:

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

};
```

TypeScript:

```
function findSpecialInteger(arr: number[]): number {

};
```

C#:

```
public class Solution {
public int FindSpecialInteger(int[] arr) {

}
}
```

C:

```
int findSpecialInteger(int* arr, int arrSize) {

}
```

Go:

```
func findSpecialInteger(arr []int) int {

}
```

Kotlin:

```
class Solution {
fun findSpecialInteger(arr: IntArray): Int {

}
}
```

Swift:

```
class Solution {
func findSpecialInteger(_ arr: [Int]) -> Int {

}
}
```

Rust:

```
impl Solution {
pub fn find_special_integer(arr: Vec<i32>) -> i32 {

}
}
```

Ruby:

```
# @param {Integer[]} arr
# @return {Integer}
def find_special_integer(arr)

end
```

PHP:

```
class Solution {

/**
* @param Integer[] $arr
* @return Integer
*/
function findSpecialInteger($arr) {

}
}
```

Dart:

```
class Solution {
int findSpecialInteger(List<int> arr) {

}
}
```

Scala:

```
object Solution {
def findSpecialInteger(arr: Array[Int]): Int = {

}
}
```

Elixir:

```
defmodule Solution do
@spec find_special_integer(arr :: [integer]) :: integer
def find_special_integer(arr) do

end
end
```

Erlang:

```
-spec find_special_integer(Arr :: [integer()]) -> integer().
find_special_integer(Arr) ->
.
```

Racket:

```
(define/contract (find-special-integer arr)
(-> (listof exact-integer?) exact-integer?)
)
```

Solutions

C++ Solution:

```
/*
* Problem: Element Appearing More Than 25% In Sorted Array
* Difficulty: Easy
* Tags: array, sort
*
* 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 findSpecialInteger(vector<int>& arr) {

}
};
```

Java Solution:

```
/**
* Problem: Element Appearing More Than 25% In Sorted Array
* Difficulty: Easy
* Tags: array, sort
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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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*/

class Solution {
public int findSpecialInteger(int[] arr) {

}
}
```

Python3 Solution:

```
"""
Problem: Element Appearing More Than 25% In Sorted Array
Difficulty: Easy
Tags: array, sort
```

```
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 findSpecialInteger(self, arr: List[int]) -> int:
# TODO: Implement optimized solution
pass
```

Python Solution:

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

JavaScript Solution:

```
/**
* Problem: Element Appearing More Than 25% In Sorted Array
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*/

/**
* @param {number[]} arr
* @return {number}
*/
var findSpecialInteger = function(arr) {

};
```

TypeScript Solution:

```
/**
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*/

function findSpecialInteger(arr: number[]): number {

};
```

C# Solution:

```
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* Approach: Use two pointers or sliding window technique
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*/

public class Solution {
public int FindSpecialInteger(int[] arr) {

}
}
```

C Solution:

```
/*
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```

```
*/

int findSpecialInteger(int* arr, int arrSize) {

}
```

Go Solution:

```
// Problem: Element Appearing More Than 25% In Sorted Array
// Difficulty: Easy
// Tags: array, sort
//
// 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 findSpecialInteger(arr []int) int {

}
```

Kotlin Solution:

```
class Solution {
fun findSpecialInteger(arr: IntArray): Int {

}
}
```

Swift Solution:

```
class Solution {
func findSpecialInteger(_ arr: [Int]) -> Int {

}
}
```

Rust Solution:

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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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impl Solution {
pub fn find_special_integer(arr: Vec<i32>) -> i32 {

}
}
```

Ruby Solution:

```
# @param {Integer[]} arr
# @return {Integer}
def find_special_integer(arr)

end
```

PHP Solution:

```
class Solution {

/**
* @param Integer[] $arr
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function findSpecialInteger($arr) {

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Dart Solution:

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class Solution {
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object Solution {
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