1.) Search in Rotated Sorted Array :

leetcode.com/problems/search-in-rotated-sorted-array/submissions/1328118552/

Problem List | Run | Submit | Premium

Description | Accepted | Editorial | Solutions | Submissions

All Submissions

Accepted

Praveen submitted at Jul 21, 2024 11:30

Editorial | Solution

Runtime

54 ms | Beats 52.97%

Analyze Complexity

Memory

48.69 MB | Beats 82.77%

Code | JavaScript

```
/**
 * @param {number[]} nums
 * @param {number} target
 * @return {number}
 */
```

Code

JavaScript | Auto

```
/**
 * @param {number[]} nums
 * @param {number} target
 * @return {number}
 */
var search = function(nums, target) {
    for(let i = 0; i < nums.length; i++){
        if(nums[i] === target){
            return i;
        }
    }
    return -1;
};
```

Saved | Ln 12, Col 15

Testcase | Test Result

Accepted Runtime: 67 ms

• Case 1 • Case 2 • Case 3

Input

nums =

[4,5,6,7,0,1,2]

target =

2.) Container With Most Water :

leetcode.com/problems/container-with-most-water/submissions/1328131302/

Problem List | Run | Submit | 0 | Premium

Description | Accepted | Editorial | Solutions | Submissions

All Submissions

Accepted

Praveen submitted at Jul 21, 2024 11:45

Editorial | Solution

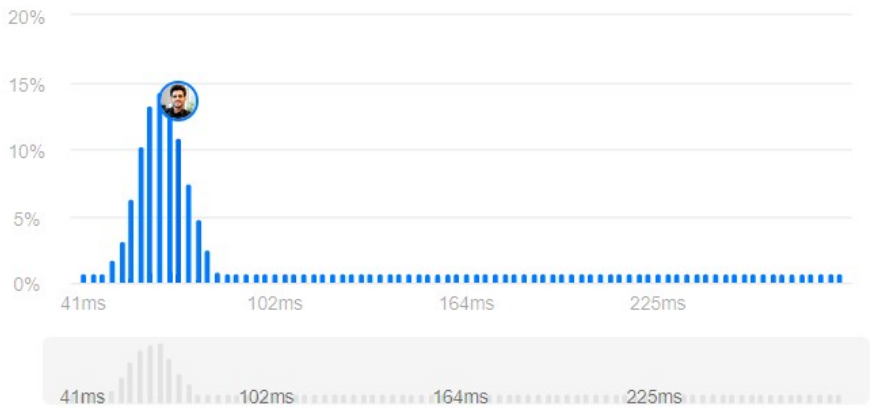
Runtime

72 ms | Beats 35.23%

Analyze Complexity

Memory

56.93 MB | Beats 59.52%



Code | JavaScript

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

Code

JavaScript | Auto

```
/**
 * @param {number[]} height
 * @return {number}
 */
var maxArea = function(height) {
        let maxArea = 0;
        let left = 0;
        let right = height.length - 1;

        while (left < right) {
            let minHeight = Math.min(height[left], height[right]);
            let width = right - left;
            let area = minHeight * width;
            maxArea = Math.max(maxArea, area);

            if (height[left] < height[right]) {
                left++;
            } else {
                right--;
            }
        }

        return maxArea;
};
```

Saved | Ln 13, Col 16

Testcase | Test Result

Accepted Runtime: 59 ms

• Case 1 • Case 2

Input

height =

[1,8,6,2,5,4,8,3,7]

3.) Gas Station :

leetcode.com/problems/gas-station/submissions/1328134156/

Problem List | Run | Submit | Premium

Description | Accepted | Editorial | Solutions | Submissions

All Submissions

Accepted

Praveen submitted at Jul 21, 2024 11:48

Editorial | Solution

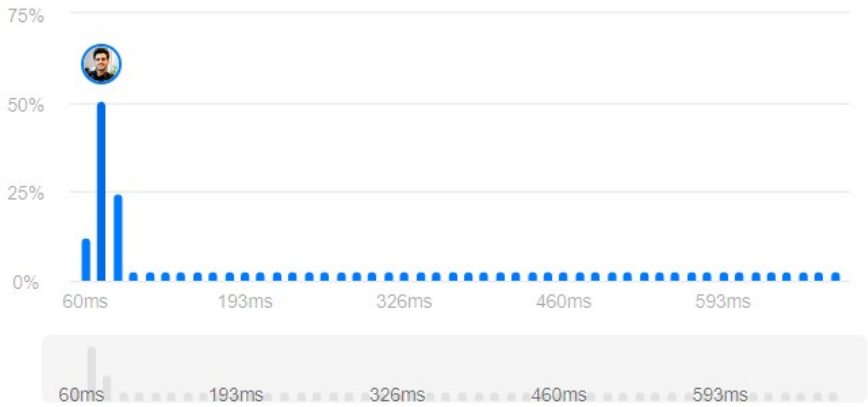
Runtime

73 ms | Beats 73.91%

Analyze Complexity

Memory

61.11 MB | Beats 49.69%



Code | JavaScript

```
/**
 * @param {number[]} gas
 * @param {number[]} cost
 * @return {number}
 */
```

Code

JavaScript | Auto

```
/**
 * @param {number[]} gas
 * @param {number[]} cost
 * @return {number}
 */
var canCompleteCircuit = function(gas, cost) {
    const n = gas.length;
    let totalTank = 0; // To track the total gas remaining after the entire circuit
    let currTank = 0;  // To track the gas remaining in the tank during the journey
    let startingStation = 0; // The starting station index

    for (let i = 0; i < n; i++) {
        totalTank += gas[i] - cost[i];
        currTank += gas[i] - cost[i];

        // If at any point currTank is negative, it means we can't start the journey from the previous startingStation to this point.
        if (currTank < 0) {
            // Reset the starting station to the next station
            startingStation = i + 1;
            // Reset currTank
            currTank = 0;
        }
    }

    // If totalTank is negative, it means we can't complete the circuit from any station.
    return totalTank >= 0 ? startingStation : -1;
};
```

Saved

Ln 26, Col 50

Testcase | Test Result

Accepted Runtime: 54 ms