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i C++

315. Count of Smaller Numbers After Self

Hard

7051

199

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You are given an integer array `nums` and you have to return a new `counts` array. The `counts` array has the property where `counts[i]` is the number of smaller elements to the right of `nums[i]`.

Example 1:

Input: `nums = [5,2,6,1]`
Output: `[2,1,1,0]`
Explanation:

To the right of 5 there are 2 smaller elements (2 and 1).

To the right of 2 there is only 1 smaller element (1).

To the right of 6 there is 1 smaller element (1).

To the right of 1 there is 0 smaller element.

Example 2:

Input: `nums = [-1]`
Output: `[0]`

Example 3:

Input: `nums = [-1,-1]`
Output: `[0,0]`

Constraints:

- $1 \leq \text{nums.length} \leq 10^5$
- $-10^4 \leq \text{nums}[i] \leq 10^4$

Accepted 266,265

Submissions 620,393

Seen this question in a real interview before?

☐ Yes

☐ No

Companies



Problems

Pick One

< Prev

315/2354

Next >

Run Code

```
count[v[i]
+ 1;
```

```
15 v[i++];
```

```
16 }
17 while
```

```
18 }
19 while
```

```
20 }
21 while
```

```
22 }
23 for
```

```
24 i<=right; i
```

```
25 }
26 }
```

```
27 }
28 }
```

```
29 void me
30 &count, vec
```

```
&v, int left
31 if(
```

```
32 (right-left
```

```
33 left, m);
```

```
34 m+1, right)
```

```
35 left, m, ri
```

```
36 }
```

```
37 }
```

```
38 vector<
39 countSmalle
```

```
{
40 int
```

```
41 vec
42 v(n);
```

```
43 for
```

Testcase

Run Code Re

Accepted

Runti

Your input

[5,

Output

[2,

Expected

[2,

Console

Use