



5196. Number of Visible People in a Queue

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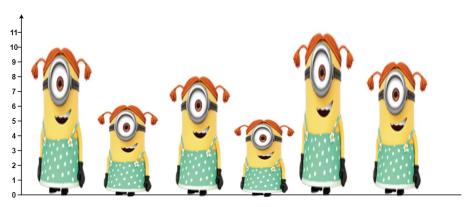
There are n people standing in a queue, and they numbered from 0 to n-1 in left to right order. You are given an array heights of distinct integers where heights[i] represents the height of the ith person.

A person can see another person to their right in the queue if everybody in between is shorter than both of them. More formally, the i^{th} person can see the j^{th} person if i < j and min(heights[i], heights[j]) > max(heights[i+1], heights[i+2], ..., heights[j-1]).

Return an array answer of length n where answer[i] is the number of people the ith person can see to their right in the queue.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Hard

Example 1:



Input: heights = [10,6,8,5,11,9]

Output: [3,1,2,1,1,0]

Explanation:

Person 0 can see person 1, 2, and 4.

Person 1 can see person 2.

Person 2 can see person 3 and 4.

Person 3 can see person 4.

Person 4 can see person 5.

Person 5 can see no one since nobody is to the right of them.

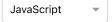
Example 2:

Input: heights = [5,1,2,3,10]

Output: [4,1,1,1,0]

Constraints:

- n == heights.length
- $1 \le n \le 10^5$
- $1 \le heights[i] \le 10^5$
- All the values of heights are unique.







```
1 \cdot | const canSeePersonsCount = (a) => {
 2
        let n = a.length;
 3
        let res = Array(n).fill(0);
 4 •
         for (let i = 0; i < n; i++) {
 5
             let cnt = 0;
 6
             let max = 0;
 7 ▼
             for (let j = i + 1; j < n; j++) {
 8 ▼
                 if (a[j] < a[i]) {
 9
                     if (a[j] > max) cnt++;
10
                     max = Math.max(max, a[j]);
11 ▼
                 } else {
12
                     cnt++;
13
                     break;
14
15
16
             res[i] = cnt;
17
18
        return res;
19
    };
```

☐ Custom Testcase

Use Example Testcases

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