



## 5196. Number of Visible People in a Queue

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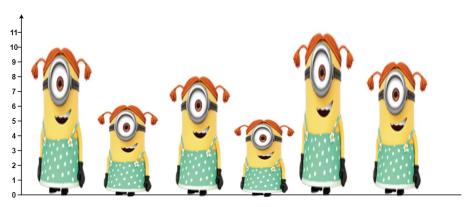
There are n people standing in a queue, and they numbered from 0 to n-1 in left to right order. You are given an array heights of distinct integers where heights[i] represents the height of the i<sup>th</sup> person.

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.

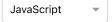
## Example 2:

**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 • /**
   2
       * @param {number[]} heights
       * @return {number[]}
  3
  4
   5 var canSeePersonsCount = function(heights) {
   7
      };
☐ Custom Testcase
                        Use Example Testcases
                                                                                                                  Run
                                                                                                                             △ Submit
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```