

## 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  $i^{\text{th}}$  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  $i^{\text{th}}$  person can see the  $j^{\text{th}}$  person if  $i < j$  and  $\min(\text{heights}[i], \text{heights}[j]) > \max(\text{heights}[i+1], \text{heights}[i+2], \dots, \text{heights}[j-1])$ .

Return an array `answer` of length  $n$  where `answer[i]` is the **number of people** the  $i^{\text{th}}$  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:

- $n == \text{heights.length}$
- $1 \leq n \leq 10^5$
- $1 \leq \text{heights}[i] \leq 10^5$
- All the values of `heights` are **unique**.

JavaScript



```
1 ▾ /**
2   * @param {number[]} heights
3   * @return {number[]}
4   */
5 ▾ var canSeePersonsCount = function(heights) {
6
7   };
```

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