

Facing the sun 🌅

Difficulty: Easy

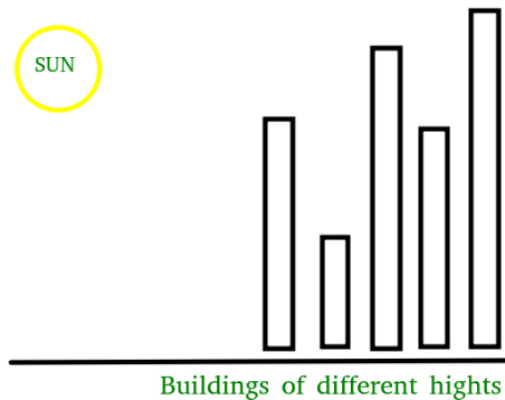
Accuracy: 45.54%

Submissions: 68K+

Points: 2

Given an array **height** representing the heights of buildings. You have to count the buildings that will see the sunrise (Assume the sun rises on the side of the array starting point).

Note: The height of the building should be strictly greater than the height of the buildings left in order to see the sun.



Examples :

Input: height = [7, 4, 8, 2, 9]**Output:** 3**Explanation:** As 7 is the first element, it can see the sunrise. 4 can't see the sunrise as 7 is hiding it. 8 can see. 2 can't see the sunrise. 9 also can see the sunrise.**Input:** height = [2, 3, 4, 5]**Output:** 4**Explanation:** As 2 is the first element, it can see the sunrise. 3 can see the sunrise as 2 is not hiding it. Same for 4 and 5, they also can see the sunrise.**Expected Time Complexity:** $O(n)$ **Expected Auxiliary Space:** $O(1)$ **Constraints:** $1 \leq \text{height.size()} \leq 10^6$ $1 \leq \text{height}_i \leq 10^8$ [Try more examples](#)

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No

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```
1- //{ Driver Code Starts
2- import java.util.*;
3-
4- public class Main {
5-     public static void main(String[] args) {
6-         Scanner sc = new Scanner(System.in);
7-         int t = sc.nextInt();
8-         sc.nextLine(); // consume the remaining newline
9-         while (t-- > 0) {
10-             String input = sc.nextLine();
11-             String[] inputStrings = input.split(" ");
12-             int[] height = new int[inputStrings.length];
13-             for (int i = 0; i < inputStrings.length; i++) {
14-                 height[i] = Integer.parseInt(inputStrings[i]);
15-             }
16-             Solution ob = new Solution();
17-             int ans = ob.countBuildings(height);
18-             System.out.println(ans);
19-         }
20-         sc.close();
21-     }
22- }
23-
24- // } Driver Code Ends
25-
26- // User function Template for Java
27-
28- class Solution {
29-     // Returns count of buildings that can see sunlight
30-     public int countBuildings(int[] height) {
```

Custom Input

Compile & Run

Submit

