

PromptScratchpadOur Solution(s)Video Explanation

Run Code

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 using System;
4 using System.Linq;
5
6 // O(n^2) time | O(n) space - where in is the length of the input array
7 public class Program {
8     public static int MinRewards(int[] scores) {
9         int[] rewards = new int[scores.Length];
10        Array.Fill(rewards, 1);
11        for (int i = 1; i < scores.Length; i++) {
12            int j = i - 1;
13            if (scores[i] > scores[j]) {
14                rewards[i] = rewards[j] + 1;
15            } else {
16                while (j >= 0 && scores[j] > scores[j + 1]) {
17                    rewards[j] = Math.Max(rewards[j], rewards[j + 1] + 1);
18                    j--;
19                }
20            }
21        }
22        return rewards.Sum();
23    }
24 }
25
```