

PromptScratchpadOur Solution(s)Video Explanation

Run Code

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 #include <algorithm>
4 #include <vector>
5 #include <numeric>
6 using namespace std;
7
8 // O(n^2) time | O(n) space - where in is the length of the input array
9 int minRewards(vector<int> scores) {
10     vector<int> rewards = vector<int>(scores.size(), 1);
11     for (int i = 1; i < scores.size(); 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] = max(rewards[j], rewards[j + 1] + 1);
18                 j--;
19             }
20         }
21     }
22     return accumulate(rewards.begin(), rewards.end(), 0);
23 }
```