

PromptScratchpadOur Solution(s)Video Explanation

Run Code

Solution 1Solution 2Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 class Program {
4     // O(n^2) time | O(n) space
5     func minRewards(_ scores: [Int]) -> Int {
6         var rewards = Array(repeating: 1, count: scores.count)
7
8         for i in 1 ..< scores.count {
9             var j = i - 1
10
11             if scores[i] > scores[j] {
12                 rewards[i] = rewards[j] + 1
13             } else {
14                 while j >= 0, scores[j] > scores[j + 1] {
15                     rewards[j] = max(rewards[j], rewards[j + 1] + 1)
16                     j -= 1
17                 }
18             }
19         }
20
21         return rewards.reduce(0) { $0 + $1 }
22     }
23 }
24
```