AlgoExpert Quad Layout Go 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

```
Solution 1 Solution 2
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```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
 3 package main
 5 import "math"
 7 // # O(nk) time | O(n) space
 if len(prices) == 0 {
10
       return 0
11
12
     evenProfits := make([]int, len(prices))
     oddProfits := make([]int, len(prices))
13
      var currentProfits, previousProfits []int
14
      for t := 1; t < k+1; t++ {
15
       maxThusFar := math.MinInt32
16
17
        if t%2 == 1 {
18
        currentProfits, previousProfits = oddProfits, evenProfits
19
        } else {
20
21
         currentProfits, previousProfits = evenProfits, oddProfits
22
        for d := 1; d < len(prices); d++ {</pre>
23
         maxThusFar = max(maxThusFar, previousProfits[d-1]-prices[d-1])
24
         currentProfits[d] = max(currentProfits[d-1], maxThusFar+prices[d])
25
26
27
28
     if k%2 == 0 {
       return evenProfits[len(prices)-1]
29
30
      return oddProfits[len(prices)-1]
31 }
32
33 func max(arg int, rest ...int) int {
34
     curr := arg
     for _, num := range rest {
  if curr < num {</pre>
35
36
37
         curr = num
38
39
40
     return curr
41 }
```