

Our Solution(s)

Run Code

Your Solutions

Run Code

Solution 1	Solution 2
<pre>1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved. 2 3 using System; 4 public class Program { 5 // O(nk) time O(nk) space 6 public static int MaxProfitWithKTransactions(int[] prices, int k) { 7 if (prices.Length == 0) { 8 return 0; 9 } 10 int[,] profits = new int[k + 1,prices.Length]; 11 for (int t = 1; t < k + 1; t++) { 12 int maxThusFar = Int32.MinValue; 13 for (int d = 1; d < prices.Length; d++) { 14 maxThusFar = 15 Math.Max(maxThusFar, profits[t - 1,d - 1] - prices[d - 1]); 16 profits[t,d] = Math.Max(profits[t,d - 1], maxThusFar + prices[17] 18 } 19 return profits[k,prices.Length - 1]; 20 } 21 } 22</pre>	

Solution 1	Solution 2	Solution 3
<pre>1 public class Program { 2 public static int MaxProfitWithKTransactions(int[] prices, int k) { 3 // Write your code here. 4 return -1; 5 } 6 } 7</pre>		

Our Tests

Custom Output

Submit Code

```
1 public class Program {
2     // Write your code here.
3     public static int MaxProfitWithKTransactions(int[] prices, int k) {
4         // Write your code here.
5         return -1;
6     }
7 }
```

