Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Solution 1   **Solution 2**

```python
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# O(nk) time | O(nk) space
def maxProfitWithKTransactions(prices, k):
    if not len(prices):
        return 0
    profits = [[0 for d in prices] for t in range(k + 1)]
    for t in range(1, k + 1):
        maxThusFar = float("-inf")
        for d in range(1, len(prices)):
            maxThusFar = max(maxThusFar, profits[t - 1][d - 1] - prices[d - 1])
            profits[t][d] = max(profits[t][d - 1], maxThusFar + prices[d])
    return profits[-1][-1]
```