

Best Time to Buy and Sell Stock x +

https://leetcode.com/problems/best-time-to-buy-and-sell-stock/submissions/924799438/

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LeetCode

Problem List

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All statuses All languages

Accepted a few seconds ago Python3

723319809 Mar 30, 2023 21:34

Python3

Runtime 1214 ms Beats 7.62% Memory 25.9 MB Beats 5.37%

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Notes

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```
class Solution:
    def allProfits(self, prices: list[int], days: int, dp: list[list[int]]):
        dp[0]=0
        minPrice=prices[0]
        for i in range(1,days):
            dp[i]=max(dp[i-1],prices[i]-minPrice)
            minPrice=min(minPrice,prices[i])
    def maxProfit(self, prices: list[int]) -> int:
        days=len(prices)
        if days<2:
            return 0
        dp=[0 for i in range(0,days)]
        self.allProfits(prices,days,dp)
        return dp[days-1]
```

```
class Solution:
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        if days<2:
            return 0
        dp=[0 for i in range(0,days)]
        self.allProfits(prices,days,dp)
        return dp[days-1]

if __name__ == '__main__':
    test=Solution()
    prices = [7,1,5,3,6,4]
    print(test.maxProfit(prices))
```