





[illegible]



[illegible]











[illegible]



[illegible]

[illegible]



[illegible]





```

-----
--- Array length is 1000
O(n^2)O(1): Sold on day 924 for 100. Bought on day 749 for 50. Profit = 100-50 = 50
O(n^2)O(1) = 1000000 numDivide = 0 numConquer = 499500
O(nlogn)O(logn): Sold on day 37 for 100. Bought on day 6 for 50. Profit = 100-50 = 50
O(nlogn)O(logn) = 9965 numDivide = 1999 numConquer = 5044
O(n)O(logn): Sold on day 37 for 100. Bought on day 19 for 50. Profit = 100-50 = 50
O(n)O(logn) = 1000 numDivide = 1999 numConquer = 1999
O(n)O(1): Sold on day 37 for 100. Bought on day 6 for 50. Profit = 100-50 = 50
O(n)O(1) = 1000 numDivide = 0 numConquer = 999
-----
--- Array length is 1000
O(n^2)O(1): Sold on day 910 for 100. Bought on day 749 for 50. Profit = 100-50 = 50
O(n^2)O(1) = 1000000 numDivide = 0 numConquer = 499500
O(nlogn)O(logn): Sold on day 12 for 100. Bought on day 11 for 50. Profit = 100-50 = 50
O(nlogn)O(logn) = 9965 numDivide = 1999 numConquer = 5044
O(n)O(logn): Sold on day 12 for 100. Bought on day 11 for 50. Profit = 100-50 = 50
O(n)O(logn) = 1000 numDivide = 1999 numConquer = 1999
O(n)O(1): Sold on day 12 for 100. Bought on day 11 for 50. Profit = 100-50 = 50
O(n)O(1) = 1000 numDivide = 0 numConquer = 999
-----
--- Array length is 1000
O(n^2)O(1): Sold on day 977 for 100. Bought on day 949 for 50. Profit = 100-50 = 50
O(n^2)O(1) = 1000000 numDivide = 0 numConquer = 499500
O(nlogn)O(logn): Sold on day 105 for 100. Bought on day 96 for 50. Profit = 100-50 = 50
O(nlogn)O(logn) = 9965 numDivide = 1999 numConquer = 5044
O(n)O(logn): Sold on day 105 for 100. Bought on day 96 for 50. Profit = 100-50 = 50
O(n)O(logn) = 1000 numDivide = 1999 numConquer = 1999
O(n)O(1): Sold on day 105 for 100. Bought on day 36 for 50. Profit = 100-50 = 50
O(n)O(1) = 1000 numDivide = 0 numConquer = 999
-----
--- Array length is 1000
O(n^2)O(1): Sold on day 828 for 100. Bought on day 728 for 50. Profit = 100-50 = 50
O(n^2)O(1) = 1000000 numDivide = 0 numConquer = 499500
O(nlogn)O(logn): Sold on day 114 for 100. Bought on day 105 for 50. Profit = 100-50 = 50
O(nlogn)O(logn) = 9965 numDivide = 1999 numConquer = 5044
O(n)O(logn): Sold on day 114 for 100. Bought on day 105 for 50. Profit = 100-50 = 50
O(n)O(logn) = 1000 numDivide = 1999 numConquer = 1999
O(n)O(1): Sold on day 114 for 100. Bought on day 32 for 50. Profit = 100-50 = 50
O(n)O(1) = 1000 numDivide = 0 numConquer = 999
-----
--- Array length is 1000
O(n^2)O(1): Sold on day 987 for 100. Bought on day 871 for 50. Profit = 100-50 = 50
O(n^2)O(1) = 1000000 numDivide = 0 numConquer = 499500
O(nlogn)O(logn): Sold on day 248 for 100. Bought on day 199 for 50. Profit = 100-50 = 50
O(nlogn)O(logn) = 9965 numDivide = 1999 numConquer = 5044
O(n)O(logn): Sold on day 248 for 100. Bought on day 199 for 50. Profit = 100-50 = 50
O(n)O(logn) = 1000 numDivide = 1999 numConquer = 1999
O(n)O(1): Sold on day 157 for 100. Bought on day 14 for 50. Profit = 100-50 = 50
O(n)O(1) = 1000 numDivide = 0 numConquer = 999
-----
--- Array length is 1000
O(n^2)O(1): Sold on day 965 for 100. Bought on day 917 for 50. Profit = 100-50 = 50
O(n^2)O(1) = 1000000 numDivide = 0 numConquer = 499500
O(nlogn)O(logn): Sold on day 48 for 100. Bought on day 17 for 50. Profit = 100-50 = 50
O(nlogn)O(logn) = 9965 numDivide = 1999 numConquer = 5044
O(n)O(logn): Sold on day 48 for 100. Bought on day 24 for 50. Profit = 100-50 = 50
O(n)O(logn) = 1000 numDivide = 1999 numConquer = 1999
O(n)O(1): Sold on day 48 for 100. Bought on day 17 for 50. Profit = 100-50 = 50
O(n)O(1) = 1000 numDivide = 0 numConquer = 999
All Stock1 tests passed. Now you can pass interviews
Stock1 problem ENDS

```