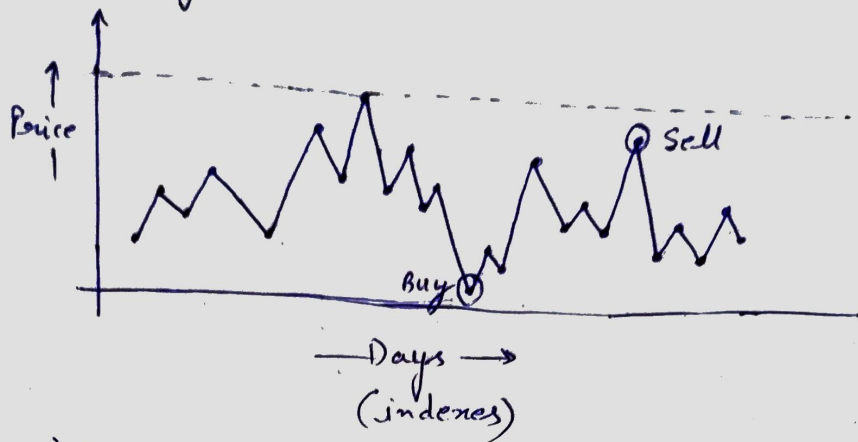


Stock Buy Sell



~~arr~~

arr

7	1	5	3	6	4
0	1	2	3	4	5

Brute Force

- repeat {
- 1) Assume on x day we will buy.
 - 2) Then keep on checking that on which day ~~we~~ should I sell to get maximum profit.

So, here we assume ~~every~~ each day we are buying and we keep on checking for each day ^{we} if sell are we getting maximum profit.

$$T = O(n^2)$$

Optimal

- 1) Assume on x day we are selling.
- 2) Then on which day ~~should~~ I would have bought to get max profit.

we iterate over the array and keep on checking are we getting max profit for each day

$$T = O(n)$$