![Graphical user interface, application

Description automatically generated]()

You cannot buy buy then sell sell. You can buy then sell and buy then sell.

![Table

Description automatically generated]()

Horizontal->days

Vertical->transaction.

This 2d aray shows most profit on day x with y number of transaction.

Array->9 6 7 6 3 8 ->6 days

![Calendar

Description automatically generated]()

Intial profit on these days will be 0.as cant sell on first day and 0 transaction means no profit.

![A picture containing chart

Description automatically generated]()

See to get value at [3][5] max profit we need get value from all the above points.

See[3][4] here value can be 8 5 hence we can pass earlier max profit if it is profit from all the above points.same rule for atmost max proft of 2 transaction.

Fill table:

![A picture containing calendar

Description automatically generated]()

Here 9-6 is -3 hence max profit will be 0.![A picture containing table

Description automatically generated]()

Max take from here.1 come here from [0][1] 6 buy and sell at 7 profit 1.-2 from [0][0] buy at 9 sell at 7 max profit=-2.0 from [1][1] as 1 transaction already happened so no more transaction. ![A picture containing chart

Description automatically generated]()

Here 1 same as [1][2]as 1 transacting already occur.[0][0] here -3 as 6-9 =-3.at [0[1] will give 0 as 6-6=0.at[0][2] will give -1.

![Calendar

Description automatically generated]()

Same way fil all. ![Table

Description automatically generated]()