Dynamic Programming

approach

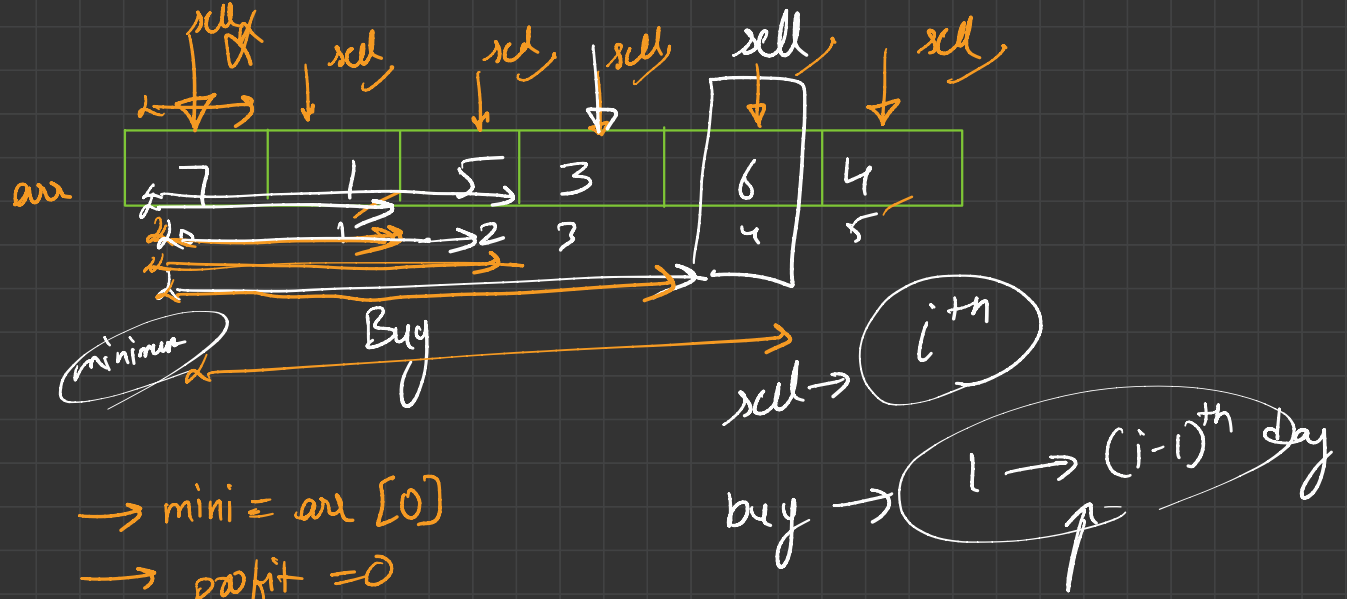
i/p → prices → { 7 , 1 , 5 , 3 , 6 , 4 }

B S

Day 1 Day 2 Day 3 Day 4 Day 5 Day 6

buy → sell

Profit → 6 − 1 = 5



→ mini = arr[0]

→ profit = 0

```
for ( int i = 1 ; i<n; i++)
{
    int diff = arr[i] - mini;
    profit = max (profit, diff);
    mini = min (mini, arr[i];
}
```

return profit: