### **10. Max Profit with At Most 2 Transactions**

def maxProfit(prices):

n = len(prices)

if not prices:

return 0

left = [0]\*n

right = [0]\*n

min\_price = prices[0]

for i in range(1, n):

min\_price = min(min\_price, prices[i])

left[i] = max(left[i-1], prices[i] - min\_price)

max\_price = prices[-1]

for i in range(n-2, -1, -1):

max\_price = max(max\_price, prices[i])

right[i] = max(right[i+1], max\_price - prices[i])

return max(left[i] + right[i] for i in range(n))