Buy and Sell Stocks With Transaction Fee

You are given an array prices where prices[i] is the price of a given stock on the i^{th} day, and an integer fee representing a transaction fee.

Find the maximum profit you can achieve. You may complete as many transactions as you like, but you need to pay the transaction fee for each transaction.

Note: You may not engage in multiple transactions simultaneously (i.e., you must sell the stock before you buy again).

Example 1:

Input: prices = [1,3,2,8,4,9], fee = 2

Output: 8

Explanation: The maximum profit can be achieved by:

- Buying at prices[0] = 1

- Selling at prices[3] = 8

- Buying at prices[4] = 4

- Selling at prices[5] = 9

The total profit is ((8 - 1) - 2) + ((9 - 4) - 2) = 8.

Example 2:

Input: prices = [1,3,7,5,10,3], fee = 3

Output: 6

Constraints:

- $1 <= prices.length <= 5 * 10^4$
- $1 <= prices[i] < 5 * 10^4$
- $0 <= fee < 5 * 10^4$