

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

On each day, you may decide to buy and/or sell the stock. You can only hold **at most one** share of the stock at any time. However, you can buy it then immediately sell it on the **same day**.

Find and return *the **maximum** profit you can achieve*.

Example 1:

Input: `prices = [7,1,5,3,6,4]`

Output: 7

Explanation: Buy on day 2 (price = 1) and sell on day 3 (price = 5), profit = $5 - 1 = 4$.

Then buy on day 4 (price = 3) and sell on day 5 (price = 6), profit = $6 - 3 = 3$.

Total profit is $4 + 3 = 7$.