

5958. Number of Smooth Descent Periods of a Stock

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

A **smooth descent period** of a stock consists of **one or more contiguous** days such that the price on each day is **lower** than the price on the **preceding day** by **exactly 1**. The first day of the period is exempted from this rule.

Return the number of **smooth descent periods**.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

Example 1:

Input: `prices = [3,2,1,4]`
Output: 7
Explanation: There are 7 smooth descent periods: `[3]`, `[2]`, `[1]`, `[4]`, `[3,2]`, `[2,1]`, and `[3,2,1]`
Note that a period with one day is a smooth descent period by the definition.

Example 2:

Input: `prices = [8,6,7,7]`
Output: 4
Explanation: There are 4 smooth descent periods: `[8]`, `[6]`, `[7]`, and `[7]`
Note that `[8,6]` is not a smooth descent period as $8 - 6 \neq 1$.

Example 3:

Input: `prices = [1]`
Output: 1
Explanation: There is 1 smooth descent period: `[1]`

Constraints:

- $1 \leq \text{prices.length} \leq 10^5$
- $1 \leq \text{prices}[i] \leq 10^5$

JavaScript

```
1 /**
2  * @param {number[]} prices
3  * @return {number}
4  */
5 var getDescentPeriods = function(prices) {
6
7   };

```