6136. Number of Arithmetic Triplets

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You are given a **0-indexed**, **strictly increasing** integer array `nums` and a positive integer `diff`. A triplet `(i, j, k)` is an **arithmetic triplet** if the following conditions are met:

- `i < j < k`,
- `nums[j] - nums[i] == diff`, and
- `nums[k] - nums[j] == diff`.

Return *the number of unique* ***arithmetic triplets***.

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

Example 1:

```
Input: nums = [0,1,4,6,7,10], diff = 3
Output: 2
Explanation:
(1, 2, 4) is an arithmetic triplet because both 7 - 4 == 3 and 4 - 1 == 3.
(2, 4, 5) is an arithmetic triplet because both 10 - 7 == 3 and 7 - 4 == 3.
```

Example 2:

```
Input: nums = [4,5,6,7,8,9], diff = 2
Output: 2
Explanation:
(0, 2, 4) is an arithmetic triplet because both 8 - 6 == 2 and 6 - 4 == 2.
(1, 3, 5) is an arithmetic triplet because both 9 - 7 == 2 and 7 - 5 == 2.
```

Constraints:

- `3 <= nums.length <= 200`
- `0 <= nums[i] <= 200`
- `1 <= diff <= 50`
- `nums` is **strictly** increasing.

JavaScript

```javascript
const arithmeticTriplets = (a, diff) => {
    let n = a.length, res = 0;
    for (let i = 0; i < n; i++) {
        for (let j = i + 1; j < n; j++) {
            for (let k = j + 1; k < n; k++) {
                if (a[j] - a[i] == diff && a[k] - a[j] == diff) res++;
            }
        }
    }
    return res;
};
```

Custom Testcase Use Example Testcases

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