# 2563. Count the Number of Fair Pairs

## Description

Given a **0-indexed** integer array `nums` of size `n` and two integers `lower` and `upper`, return *the number of fair pairs*.

A pair `(i, j)` is **fair** if:

- `0 <= i < j < n`, and
- `lower <= nums[i] + nums[j] <= upper`

**Example 1:**

```
Input: nums = [0,1,7,4,4,5], lower = 3, upper = 6
Output: 6
Explanation: There are 6 fair pairs: (0,3), (0,4), (0,5), (1,3), (1,4), and (1,5).
```

**Example 2:**

```
Input: nums = [1,7,9,2,5], lower = 11, upper = 11
Output: 1
Explanation: There is a single fair pair: (2,3).
```

**Constraints:**

- `1 <= nums.length <= 10`$^5$
- `nums.length == n`
- `-10`$^9$ `<= nums[i] <= 10`$^9$
- `-10`$^9$ `<= lower <= upper <= 10`$^9$