Problem Link:

<https://leetcode.com/problems/count-the-number-of-fair-pairs/?envType=daily-question&envId=2025-04-19>

Solution:

class Solution {

public:

long long countFairPairs(vector<int>& nums, int lower, int upper) {

sort(nums.begin(), nums.end());

long long c = 0;

int n = nums.size();

for(int i = 0; i < n; ++i)

{

int l = lower - nums[i];

int r = upper - nums[i];

int low = upper\_bound(nums.begin() + i + 1, nums.end(), r) - nums.begin();

int high = lower\_bound(nums.begin() + i + 1, nums.end(), l) - nums.begin();

c += (low - high);

}

return c;

}

};