Project Estimates

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Skills: **Problem Solving (Basic)**

Recommended Time: 19 mins Points: 50 10 test cases (5 samples)

Coding Binary Search EASY Data Structures Algorithms Arrays Problem Solving Theme: Finance

A number of bids are being taken for a project. Determine the number of distinct pairs of project costs where their absolute difference is some target value. Two pairs are distinct if they differ in at least one value.

Example

n = 3

projectCosts = [1, 3, 5]

target= 2

There are *2* pairs *[1,3], [3,5] that* have the target difference *target = 2,* therefore a value of *2* is returned.

Function Description

Complete the function *countPairs* in the editor below.

countPairs has the following parameter(s):

int projectCosts[n]: array of integers

int target: the target difference

Returns

int: the number of distinct pairs in *projectCosts* with an absolute difference of *target*

Constraints

- $5 \leq n \leq 10^5$
- $0 < projectCosts[i] \leq 2 \times 10^9$
- Each *projectCosts[i]* is distinct, i.e. unique within *projectCosts*
- $1 \leq target \leq 10^9$