

Overview: Given a list of integers, identify how many scalene triangles can be made such that side lengths are elements of the list?

Description: Oh no! Ever since Hawkeye the amazing archer was brain-zapped by Loki, he's been unable to participate in his one true hobby - building cool pyramids with his arrows as if they were cards in a deck. Apparently, Loki tried and failed to do similar things with spears back when he was a wee toddler traipsing through the gold and silver-gilded halls of Asgard, and seeing Hawkeye effortlessly succeed with his arrows is bringing back bad memories. Hawkeye's not too sure, Loki doesn't like to talk about it too much.

In any case, Hawkeye's been consoling himself with a new hobby - building triangles on the ground with his famous arrows! To avoid provoking the ire of his current mind-controller, Hawkeye has decided to stay away from anything even remotely resembling a pyramid by only building scalene triangles with his arrows (i.e. triangles where each edge length is different). He has many arrows (of differing or similar lengths), and would like to find out how many different scalene triangles he can make with his arrows. Unfortunately, Hawkeye didn't pay too much attention during his high school programming class, and doesn't remember how to write a program to find this out. Can you help him?

Filename: nov22.{java, cpp, c, cc, py}

Input: The first line will contain the number of elements in \mathbb{L} (the number of lines to follow). Each subsequent line is an element of \mathbb{L} .

Output: The number of scalene triangles that can be made with side lengths that are elements of \mathbb{L} .

Assumptions: All elements of \mathbb{L} are unique positive integers that are no larger than one million.
 \mathbb{L} will be a positive integer no larger than 50.

Sample
Input #1: 2
1
2

Sample
Output #1: 0

Sample
Input #2: 4
3
5
2
4

Sample
Output #2: 3