Problem A
A+B Problem

Problem ID: aplusb
CPU Time limit: 4 seconds
Memory limit: 1024 MB

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Given N integers in the range $[-50\,000, 50\,000]$, how many ways are there to pick three integers a_i, a_j, a_k, such that i, j, k are pairwise distinct and $a_i + a_j = a_k$? Two ways are different if their ordered triples (i, j, k) of indices are different.

Input

The first line of input consists of a single integer N ($1 \leq N \leq 200\,000$). The next line consists of N space-separated integers $a_1, a_2, \ldots, a_N$.

Output

Output an integer representing the number of ways.

Sample Input 1

```
4
1 2 3 4
```

Sample Output 1

```
4
```

Sample Input 2

```
6
1 1 3 3 4 6
```

Sample Output 2

```
10
```