Mental Calculation

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Meow is a school teacher that wants to test his students mental math calculation capability. He devised a plan – he would randomly generate a set of positive integer, every number in the set are unique. Then, he asks students to answer: **How many of them are exactly equal to the sum of the other two (different) numbers in the set?**

The students seek for your help, please help to find the answers.

Note: The two numbers that add up must be two different number in the set. For example: $1 + 4$ and $4 + 1$ are considered as duplicates.

Input

The first line contains an integer n ($3 \leq n \leq 10000$)

The second line contains n positive integers $a_1, a_2, ..., a_n$ ($1 \leq a_i \leq 10000$) – the numbers Meow gave his student.

Output

Print an integer – the answer to Meow's question.

Example

standard input	standard output
5 1 2 3 4 5	3

Note

$1 + 2 = 3,\ 1 + 3 = 4,\ 1 + 4 = 5$. Hence, the answer is 3.

Be aware that $1 + 4 = 5$ and $2 + 3 = 5$ should only be considered as 1 (not 2) as the question ask "What number(s) can be formed"**NOT** "How many pairs".