

Problem 31607 - Sum Checker

Multilingual



Time Limit	Memory Limit	Submissions	Accepted	Solved	Ratio
2 seconds	1024 MB	539	459	417	86.515%

Description

Three positive integers A , B , and C are given.

If one of these values is the sum of the other two, print 1; otherwise, print 0.

Input

The input is given in the following format:

```
A
B
C
```

Output

If one value is the sum of the other two values, print 1; otherwise, print 0.

Do not output anything other than the results. (Do not output any messages prompting input, etc.)

Limit

- $1 \leq A \leq 100$.
- $1 \leq B \leq 100$.
- $1 \leq C \leq 100$.
- All input values are integers.

Sample Input 1 Copy

```
3
5
2
```

Sample Output 1 Copy

```
1
```

- Since $B=5$ is the sum of the other two values, $A=3$ and $C=2$, it outputs 1.

Sample Input 2 Copy

```
2
3
4
```

Sample Output 2 Copy

0

- $A=2$ is not the sum of the other *two* values, $B=3$ and $C=4$, *which is 7*.
- $B=3$ is not the sum of the other *two* values, $A=2$ and $C=4$, *which is 6*.
- $C=4$ is not the sum of the other *two* values, $A=2$ and $B=3$, *which is 5*.
- Therefore, since no value is the sum of two *other* values, it outputs 0.

Sample Input 3 Copy

100
50
50

Sample Output 3 Copy

1

- Since $A=100$ is the sum of the other *two* values, $B=50$ and $C=50$, it outputs 1.

Sample Input 4 Copy

1
1
1

Sample Output 4 Copy

0

- Since none of the values is the sum of two *other* values, it outputs 0.

Source



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Olympiad (/category/2) > Japanese Olympiad in Informatics (/category/100) > Japanese Olympiad in Informatics Qualification Round (/category/101) > JOI 2023/2024
예선 1 (/category/detail/4174) 1-2번

Algorithm Classification

look

Memo