Waterloo 2017 Fall A - Art

Time limit: 2.0s **Memory limit:** 512M

2017 Fall Waterloo Local ACM Contest, Problem A

Vera has five sticks of distinct lengths l_1, l_2, l_3, l_4, l_5. Vera may choose any three of the five sticks to form the sides of a triangle. How many different triangles can Vera make? Each triangle must have positive area and sticks cannot be bent or cut.

Input

Line 1 contains integers l_1, l_2, l_3, l_4, l_5 $(1 \leq l_i \leq 1000)$.

Output

Print one line with one integer, the number of ways to form a triangle.

Sample Input 1

```
1 2 3 4 5
```

Sample Output 1

```
3
```

Sample Input 2

```
1 2 4 8 16
```

Sample Output 2

```
0
```

Note

For the first example, the 3 ways to form a triangle are choosing sticks $2, 3, 4$ or $2, 4, 5$ or $3, 4, 5$.