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Owl Code



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Points: 20

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Description

Heron's Formula

Program Description

Find the area of Triangle using Heron's formula.

Hint:Heron's Formula= $\sqrt{s(s-a)(s-b)(s-c)}$.where a,b,c are sides.

Input Format

Only line input contains three integers a,b,c.

Output Format

Print area of triangle. The result should be decimal value with 4 decimal places.

Constraints

$1 \leq a, b, c \leq 50$

Explanation

Input-1

5 8 6

Output-1

14.9812

Input-2

2 3 5

Output-2

0.0000

Light

C - GCC 11.1.0



Timer 0:06 sec



```
1  #include<stdio.h>
2  #include<math.h>
3  int main()
4  {
5      int a,b,c;
6      scanf("%d %d %d",&a,&b,&c);
7      double s=(a+b+c)/2.0;
8      double area=sqrt(s*(s-a)*(s-b)*(s-c));
9      printf("%.4lf",area);
10     return 0;
11 }
```

 Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	2 3 5	2 3 5	0.0000	0.0000	1408 KB	3.583 ms	Pass
2	5 8 6	5 8 6	14.9812	14.9812	1408 KB	2.671 ms	Pass

All hidden testcases passed



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Light



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