# Area of a triangle

Find the area of a triangle with all its three sides given as a,b and c.

#### **Input:**

The first line of input contains an integer T denoting the number of test cases. Each test case contains

three space-separated integers a,b and c.

# **Output:**

Output the area of the triangle answer with a precision of 6 decimal places. The area is to be printed as 0.000000 if the triangle does not exist.

#### **Constraints:**

1<=t<=200 1<=a,b,c <= 100

## **Example:**

## **Input:**

2

223

3 4 5

### **Output:**

1.984313

6.000000