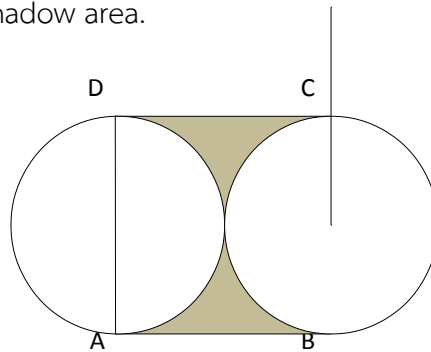


C	Shadow area	
	Input	c.in
	Output	Standard Output

From the picture, find the shadow area.



### Input

The input consists of  $n$  lines. Each line is a positive number ( $\leq 1000.0$ ) represents the distance between A and B. The input ends with 0.

### Output

For each line of the test cases, calculate the shadow area accurate to exactly two fractional digits.

You must display the results in an exact form as shown in the sample output below.

Sample Output	Sample Output
7	10.52
10	21.46
15	48.29
8.8	16.62
235.378	11889.54
0	