

Pizza Crust

Problem ID: pizza2
CPU Time limit: 1 second
Memory limit: 1024 MB
Difficulty: 1.4

George has bought a pizza. George loves cheese. George thinks the pizza does not have enough cheese. George gets angry.

George's pizza is round, and has a radius of R cm. The outermost C cm is crust, and does not have cheese. What percent of George's pizza has cheese?



Photo by cyclonebill.

Input

The input consists of a single line with two space separated integers, R and C .

Output

Output the percentage of the pizza that has cheese. Your answer must have an absolute or relative error of at most 10^{-6} .

Limits

- $1 \leq C \leq R \leq 100$

Sample Input 1

1 1

Sample Output 1

0.00000000

Sample Input 2

2 1

Sample Output 2

25.000000

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