



# Pizza Crust

CPU TIME LIMIT

1 second

MEMORY LIMIT

1024 MB

DIFFICULTY

easy (1.8)

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

```
0.000000000
```



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## Sample Input 2

```
2 1
```

## Sample Output 2

```
25.000000
```