

E. Equation

time limit per test: 2 seconds  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

Find a number  $x$  such that  $x^2 + \sqrt{x} = c$ .

Input

The input contains one real number  $C$  ( $1.0 \leq c \leq 10^{10}$ ).

Output

Print one number, the required  $x$ . The answer will be considered correct if the relative or absolute error is not more than  $10^{-6}$ .

Examples

input	Copy
2.0	
output	Copy
1.0	
input	Copy
15.6	
output	Copy
3.698232168829691	

→ Submit?

Language: GNU G++20 13.2 (64 bit, win

Choose file: Choose File No file chosen

Submit

