

# Body Mass Index

---

Problem Code	hw00e_BMI
Running Time Limit	1 sec
Memory Limit	16 mb

## Objective

- Be able to perform floating-point calculation.
- Be able to format floating-point output.

## Introduction

Body Mass Index (BMI) is a simple tool to indicate weight problem. Basically, BMI is a ratio between person's weight (in kg) and square of height (in m<sup>2</sup>). For example, a person whose weight is 82 kg and height is 176 cm has BMI equal to  $\frac{82}{1.76^2} \cong 26.472$ . Write a program to compute BMI from given weight and height of any person.

## Task

Read weight and height and then display calculated BMI.

## Input

Input consists of a single line containing two integers. The first integer is  $W$  ( $1 \leq W \leq 1,000$ ), the weight of the person in kg. The next integer is  $H$  ( $1 \leq H \leq 1,000$ ), the height of the person in cm.

## Output

BMI of the person with at exactly three digits after the decimal point properly rounded.

## Example

### Ex1

Input	Output
82 176	26.472

### Ex2

Input	Output
51 160	19.922