# "Programming Basics" Exam

## 1. Change Bureau

Long ago, Peter **bought a bitcoin**. Now he will go on a holiday around Europe and **will need some euros.** Apart from bitcoin, he also has **Chinese yuan.** He wants to **exchange his money** **for euros** for the holiday. Write a program to **calculate how many Euros he can buy at the following exchange rates:**

* **1 bitcoin** = **1168 RSD**
* **1 Chinese yuan** = **0.15 USD**
* **1 USD = 1.76 RSD**
* **1 euro** = **1.95 RSD**

The exchange office has a **commission of 0 to 5 percent of the final amount in euros.**

### Input

Read **3 numbers** from the console:

* First line – **number of bitcoins – an integer in the range [0…20]**
* Second line – **number of Chinese yuan** - **a** **floating-point number in the range [0.00… 50 000.00]**
* Third line – **commission - a floating-point number in the range [0.00 ... 5.00]**

### Output

Print **1 number on the console** – **the result of the currency exchanges. Format the result to the second digit after the decimal point.**

### Sample Input and Output

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Output** | **Comments** | |
| 1  5  5 | 569.67 | 1 bitcoin = **1168 RSD**  5 yuan = 0.75 USD  0.75 USD = **1.32 RSD**  **1168 + 1.32 = 1169.32 RSD** = **599.651282051282 euro**  **Commission:** 5% от 599.651282051282 = **29.9825641025641**  **Result:** 599.651282051282 - 29.9825641025641 = **569.668717948718 euro ~ 569.67** | |
| **Input** | **Output** | **Input** | **Output** |
| 20  5678  2.4 | 12442.24 | 7  50200.12  3 | 10659.47 |