

Saving

After learning about the importance of living economically, so today Lili decided to save money in a bank. It is known that Lili will save as much as X, and it is known that the bank where Lili will save will provide compound interest of Y% for each month. Now Lili is curious about how much money will be in her bank account 3 months later.

Format Input

An integer X, and a decimal number Y (Y is on percentage).

Format Output

A number that represents money in Lili's bank account after 3 months, rounded up to 2 decimal places.

Constraints

- $1 \le X \le 100000$
- $0.00 \le Y \le 1000.00$

Sample Input (standard input)

1000 100.00

Sample Output (standard output)

8000.00

Sample Input (standard input)

6000 75.00

Sample Output (standard output)

32156.25

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Setelah mepelajari tentang pentingnya hidup berhemat, hari ini Lili memutuskan untuk menabung ke bank. Diketahui Lili akan menabung uang sebanyak X, dan diketahui bank tempat Lili akan menabung akan memberikan bunga majemuk sebesar Y% untuk setiap bulannya. Sekarang Lili penasaran berapa jumlah uang yang akan ada di dalam rekeningnya 3 bulan kemudian.

Format Input

Sebuah bilangan bulat X, dan sebuah bilangan desimal Y (Y dalam persen).

Format Output

Sebuah bilangan yang menyatakan uang di dalam rekening Lili setelah 3 bulan, dibulatkan sampai 2 desimal.

Constraints

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- $0.00 \le Y \le 1000.00$

Sample Input (standard input)

1000 100.00

Sample Output (standard output)

8000.00

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Sample Output (standard output)

32156.25



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