Investment

Robert has decided to invest some of his savings. The unit of the investment fund he has chosen was worth X$ at the moment of purchase. Suppose that at the moment of withdrawal one unit cost Y$. Please calculate Robert's return on investment, assuming that a 4% fee has to be paid once, at the moment of withdrawal.

Input

The first line contains the number X with two digits of precision, and the second line contains the number Y with two digits of precision.

Output

One number, being Robert's return on investment, displayed as a percentage, with two digits of precision.

Example 1

Input:
100.00
120.00

Output:
15.20

Example 2

Input:
40.00
50.00

Output:
20.00

Scoring

This is a test problem and you will receive no points for solving it. However, at 18:00 on Monday, October 10, we will give out a small gift to a user, drawn from among those registered contestants who have solved this problem in more programming languages (available at SPOJ) then all other registered contestants. **Note: the special contest is over now.**