

Problem B

Forgotten Score

John is not very good at math but he learned that the average of two numbers is the sum of these two numbers divided by two. That is, the average of two numbers A and B is $M = \frac{A+B}{2}$.

The calculus teacher told John the scores he got on two tests he took. Both scores were integer numbers between 0 and 100. John immediately averaged the two tests, which also resulted in an integer number.

But John is very forgetful, and now he can't remember both scores he got on the tests. He can remember only one them. Luckily, he can also remember the average between the two scores.

Can you help John determine the score of the test he does not remember?

Input

The first line of input contains a single integer number A ($0 \leq A \leq 100$), representing the score of the test John remembers. The second line contains a single integer number M ($0 \leq M \leq 100$), representing the average between the two test scores.

Output

Your program must output a single line, containing an integer number, representing the score of the test which John can not remember.

Input example 1 100 70	Output example 1 40
Input example 2 80 75	Output example 2 70
Input example 3 1 50	Output example 3 99