

1. R2

The number S is called the **mean** of two numbers $R1$ and $R2$ if S is equal to $(R1+R2)/2$. Mirko's birthday present for Slavko was two integers $R1$ and $R2$. Slavko promptly calculated their mean which also happened to be an integer but then lost $R2$! Help Slavko restore $R2$.

Input

The first and only line of input contains two integers $R1$ and S , both between -1000 and 1000 .

Output

Output $R2$ on a single line.

Sample test data

input

11 15

output

19

input

4 3

output

2