R2

The number S is called the mean of two numbers R_1 and R_2 if S is equal to $(R_1 + R_2)/2$. Mirko's birthday present for Slavko was two integers R_1 and R_2. Slavko promptly calculated their mean which also happened to be an integer but then lost R_2! Help Slavko restore R_2.

Input

The first and only line of input contains two integers R_1 and S, both between $-1\,000$ and $1\,000$.

Output

Output R_2 on a single line.

Sample Input 1

```
11 15
```

Sample Output 1

```
19
```

Sample Input 2

```
4 3
```

Sample Output 2

```
2
```