

Calculate the profit

You work for a manufacturer and have been asked to calculate the total profit made on the sales of a product. You are given a dictionary containing the cost price per unit (in dollars), sell price per unit (in dollars), and the starting inventory. Return the total profit made, rounded to the nearest dollar.

Note

- Assume all inventory has been sold.
- Profit = Total Sales - Total Cost

Input

The first line of input contains the cost price per unit, sell price per unit and the starting inventory.

Output

The first line displays the total profit made.

Sample input

Sample output

32.67 45.00 1200	14796
225.89	32411
2.77 7.95 8500	44030