

Absolute values sum

Your task is to write a short program that takes in input N numbers (positive and negative) and sums their absolute value.

Tips:

An Absolute value of a number is the number without its sign (positive or negative)

Input

The first line contains a number N that is the expected numbers to take in input.

The second line contains all the N numbers divided by space " ".

Output

The output contains the sum of all numbers given in input

Sample input

Sample output

3 1 2 3	6
4 -34 5 -44 3	86
3 23 -44 3	70