Problem A. Summation

Time limit	2000 ms
Mem limit	65536 kB
OS	Windows

Given a number N and an array A of N numbers. Print the **absolute summation** of these numbers.

absolute value : means to remove any negative sign in front of a number .

EX : $|-5| = 5$, $|7| = 7$

Input

First line contains a number N $(1 \leq N \leq 10^5)$ number of elements.

Second line contains N numbers $(-10^9 \leq A_i \leq 10^9)$.

Output

Print the **absolute summation** of these numbers.

Sample 1

Input	Output
4 7 2 1 3	13

Sample 2

Input	Output
3 -1 2 -3	2

Note

Second Example :

−1 + 2 + −3 = −2 and it absolute is 2 so the answer is 2.