
Summation

Input file: **standard input**
Output file: **standard output**
Time limit: 2 seconds
Memory limit: 64 megabytes

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.

Examples

standard input	standard output
4 7 2 1 3	13
3 -1 2 -3	2

Note

Second Example :

$-1 + 2 + -3 = -2$ and it absolute is 2 so the answer is **2**.