Inaho V

Time limit: 0.2s **Memory limit:** 64M

Inaho has arrived at the gates to return to his petty 3-dimensional world, but the gates are locked! He wants to get home as quickly as possible to continue playing his *Graph Simulator 2015*, that is within 0.2 seconds, but the gates are preventing him from leaving. On the gates are M nonpositive integers, and he believes finding the sum will allow him back into his 3-dimensional world. Of course, he is still stuck in the N-dimensional hole, and therefore cannot comprehend the complexities of N-dimensions, so he needs your help again.

Input Specification

The first line will contain the integer M $(1 \leq M \leq 1000)$, the number of integers on the gates.

The second line will contain M space-separated nonpositive integers, $a_1, a_2, \ldots, a_M$ $(-2^{54} \leq a_i \leq 0)$.

Subtasks

For 1 of the 3 available marks, $-2^{52} \leq a_i \leq 0$.

Output Specification

Output the sum of the M nonpositive integers.

Sample Input 1

```
2
-1 -4
```

Sample Output 1

```
-5
```

Sample Input 2

```
5
-4503599627370496 -4503599627370496 -4503599627370496 -4503599627370496 -4503599627370496
```

Sample Output 2

```
-22517998136852480
```