



## B. TONTON AND THE AWARD

*Time limit: 1s | Memory limit: 512MB*  
*Input stream: stdin | Output stream: stdout*

The city of Tonton has organized a tournament with a lot of food as award for the winner. Of course, Tobi quickly participates in. The award includes  $n$  kinds of food with  $w_1, w_2, \dots, w_n$  ( $0 < w_i \leq 10^9$ ) as their weights. With spirit of eating, Tobi is definitely the champion and take the award. However, the game does not end, after touching the food with weight  $v$ , suddenly all other food with weight  $v$  disappears, and finally the rest is for winner. Tobi wants to bring as much food as possible to his house, but as his stomach is growling, his brain stops working. You guys please help this poor rabbit.

### Input

- The first line contains a positive integer  $n$  ( $n \leq 10^5$ ).
- The second line contains weights of food for winner  $w_1, w_2, \dots, w_n$ .

### Output

- Print exactly one integer – the most amount of food that Tobi can bring to his house.

### Sample

Input	Output
5 1 6 2 1 1	9