**Maximal sum**

**Description**

Write a program that finds the maximal sum of consecutive elements in a given array of **N** numbers.

* *Can you do it with only one loop (with single scan through the elements of the array)?*

**Input**

* On the first line you will receive the number **N**
* On the next **N** lines the numbers of the array will be given

**Output**

* Print the maximal sum of consecutive numbers

**Constraints**

* 1 <= **N** <= 1024
* Time limit: **0.1s**
* Memory limit: **16MB**

**Sample tests**

| **Input** | **Output** |
| --- | --- |
| 10 2 3 -6 -1 **2 -1 6 4** -8 8 | 11 |