
Maximum of a General Tree (out)**X17958_en**

Write a program that reads a non-empty tree of integer numbers and writes its maximum value. Your program should define the function **maxim(t)** that returns the maxim of the values stored in a non-empty tree **t**. The parameter **t** of function **maxim(t)** should be an object of the class **Tree**, implemented in file `simple_tree.py` in the **public files** section of the problem statement.

For example, given the following specification of a tree in pre-ordre, where the value stored at each node is followed by its arity

Input

```
1 4
 3 2
    6 0
    -6 0
 12 0
 2 4
    3 0
    5 2
      10 0
      -13 0
    11 0
    7 0
 8 0
```

Your program should write

Output

```
12
```

Hint

Implement the following function in file `simple_tree.py`

```
def maxim(t):
    ...
```

and call that function from **main** after reading the tree.

Sample input

```
1 4
 3 2
    6 0
    -6 0
 12 0
 2 4
    3 0
```

```
5 2
 10 0
 -13 0
 11 0
 7 0
 8 0
```

Sample output

12

Problem information

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