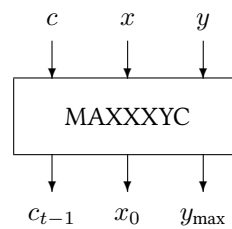


## Block MAXXXYC

The MAXXXYC block scans its third input signal for a maximum as long as the condition input remains constant. When this input changes its value, the maximum and the corresponding coordinate is on output and the successors of the block are executed.



|                   |         |
|-------------------|---------|
| <b>Name</b>       | MAXXXYC |
| <b>Function</b>   | fb0073  |
| <b>Inputs</b>     | 3       |
| <b>Outputs</b>    | 3       |
| <b>Parameters</b> | 0       |
| <b>Strings</b>    | 0       |
| <b>Group</b>      | I       |

### Inputs

- 1 Condition input  $c$
- 2 Any signal  $x$
- 3 Corresponding signal  $y$

### Outputs

- 1 Condition input  $c$  delayed by one step
- 2  $x$ -coordinate of maximum value
- 3 Maximum over all  $c = \text{const}$  calls

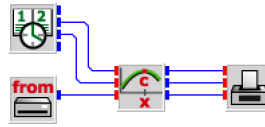
### Parameters

None

### Strings

None

maxxyyc.vseit



A **CLOCK** block runs through the hours of the year 1982. Corresponding temperature data are read by a **READ** block from file `meteo82.dat` which can be found in the `examples/data` directory.

The **MAXXYC** block detects the monthly maximum values and outputs the day of occurrence and the value of the maximum temperature via a **PLOT** block.

