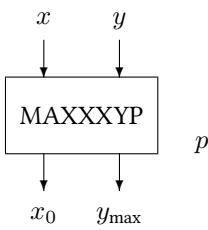


Block MAXXXYP

The MAXXXYP block finds the maximum of its second input signal over a number of steps as defined through its parameter.



Name	MAXXXYP
Function	fb0074
Inputs	2
Outputs	2
Parameters	1
Strings	0
Group	I

Inputs

- 1 Any x -coordinate
- 2 Corresponding y -coordinate

Outputs

- 1 x -coordinate of maximum
- 2 Corresponding maximum value

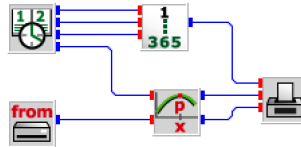
Parameters

- 1 Number p of steps to find the maximum

Strings

None

maxxyp.vseit



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

The **MAXXXYP** block detects the daily maximum values and outputs the hour of occurrence and the value of the maximum temperature via a **PLOT** block.

As could be expected mostly the maxima are in the afternoon hours. However, sometimes the maximum is during the night. This happens when a daily temperature shift occurs.

