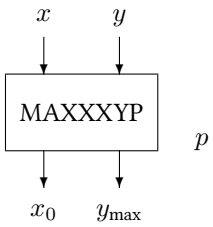
Block MAXXXYP

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

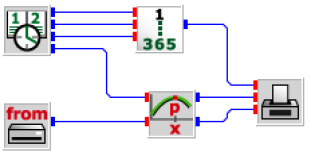
Parameters

1	Number p of steps to find the maximum

Strings

None

maxxxyp.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.

