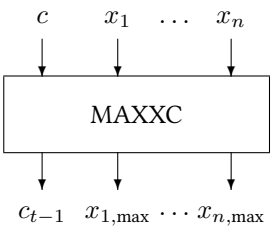
Block MAXXC

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





Name	MAXXC
Function	fb0037
Inputs	2 . . . [51]
Outputs	2 . . . [51]
Parameters	0
Strings	0
Group	I

Inputs

1	Condition input c
2	Any signal x_1
n	Any signal x_{n-1}

Outputs

1	Condition input c delayed by one step
2	Maximum $\max_1$ over all $c =$ const calls
n	Maximum $\max_{n-1}$ over all $c =$ const calls

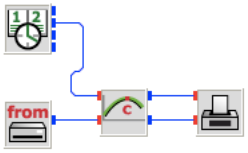
Parameters

None

Strings

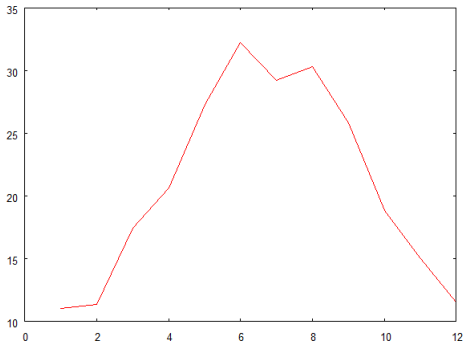
None

maxxc.vseit



A CLOCK block runs through one year in steps of one hour and controls reading the data file `meteo82.dat` from the `examples/data` directory as specified by the parameters of a READ block. By definition of the Format parameter of the READ block `(33X,F5.1,26X)` only colums 34–38 are evaluated. These contain ambient temperature data in degrees Celsius.

Since the month output of the CLOCK block is used as condition input to the MAXXC block, monthly maxima of the temperature data are calculated by the MAXXC block and finally displayed as graph by the PLOT block.



See also Block MINNC.