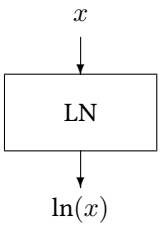
Block LN

The LN block returns the natural (base e) logarithm of its input.





Name	LN
Function	fb0011
Inputs	1
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

1 Any value $x > 0$

Outputs

1 Natural logarithm $\ln(x)$

Parameters

None

Strings

None

Remarks

If the input value x is zero or negative, the LN block displays a warning message and performs no operation. If this happens more than once, the warning message is suppressed. At the end of a simulation run the total number of occurencies is displayed.

ln.vseit



A DO block varies x from 0.1 to 10 in steps of 0.01. The LN block calculates the natural logarithm (base e) and the PLOT block displays the graph on screen.

