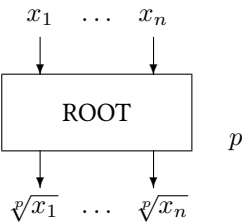


Block ROOT

The ROOT block returns the root of its input as defined through its parameter.



Name	ROOT
Function	fb0006
Inputs	1 ... [10]
Outputs	1 ... [10]
Parameters	1
Strings	0
Group	S

Inputs	<i>i</i> Any value $x_i \geq 0$
Outputs	<i>i</i> p^{th} root $\sqrt[p]{x_i}$
Parameters	1 Root exponent p with $ p > 1$
Strings	None
Remarks	If the input value x is negative, the ROOT block displays a warning message and does no operation. If this happens more than once, the warning message is suppressed. At the end of a simulation run the total number of occurrences is displayed.

root.vseit



A **CONST** block provides the value 3.14. A **ROOT** block with parameter three calculates the third root of its input which is displayed by the **SCREEN** block

1.46434438