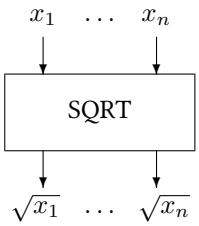
Block SQRT

The SQRT block returns the square root of its input.





Name	SQRT
Function	fb0005
Inputs	1 . . . [10]
Outputs	1 . . . [10]
Parameters	0
Strings	0
Group	S

Inputs

i	Any value $x_i \geq 0$

Outputs

i	Square root $\sqrt{x_i}$

Parameters

None

Strings

None

Remarks

If the input value x is negative, the SQRT 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.

sqrt.vseit



A CONST block defines the number 3.14. The SQRT block returns the square root of its input, which is displayed by the SCREEN block.

```
1.77200449
```