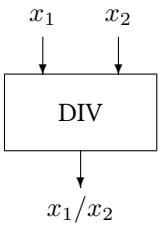
Block DIV

The DIV block divides its first input by the second.





Name	DIV
Function	fb0004
Inputs	2
Outputs	1
Parameters	0
Strings	0
Group	S

Inputs

1	Numerator x_1 of the fraction
2	Denominator x_2 of the fraction

Outputs

1	x_1 divided by x_2

Parameters

None

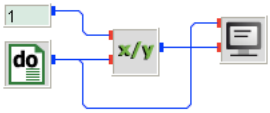
Strings

None

Remarks

If the second input value x_2 is zero, the block displays a warning message and returns NaN. 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.

div.vseit



In a DO block numbers are counted from -3 to $+3$. A CONST block provides a constant set to 1. The DIV block divides 1 by the output of the DO block. The results are displayed using the SCREEN block.

```
  -3.000  -0.333
  -2.000  -0.500
  -1.000  -1.000
W05001 Block 00002: Division by zero
   0.000  -1.000
   1.000   1.000
   2.000   0.500
   3.000   0.333
W05002 Block 00002: Number of divisions by zero:        1
```