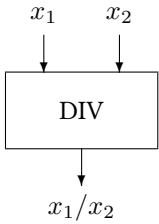


Block DIV

The DIV block divides its first input by the second.

x/y



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 occurrences 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