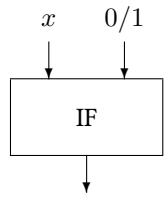
Block IF

The IF block returns its first input if the second input is equal to one (true), and does not return anything otherwise. In contrast, IFELSENAN returns *NaN* if the second input if zero. WARNING: The successors of this block are completely ignored when the second signal is false. This behaviour is different than in many other programming languages. An alternative is to use a MUL block instead of an IF block.

if...
then



x or nothing at all

Name	IF
Function	fb0022
Inputs	2
Outputs	1
Parameters	0
Strings	0
Group	I

Inputs

1 Any signal x
2 Logical input either 0 (false) or $\neq 0$ (true).

Outputs

1 Value of x. The successors of this block are executed only if the second input is not equal to 0.

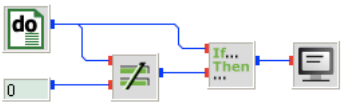
Parameters

None

Strings

None

if.vseit



In a DO block numbers are counted from −1 to 1. A CONST returns a constant value 0. The NE block compares the output of the DO block with the constant. If they are different the IF block lets the output of the DO block pass and the SCREEN block displays the value, otherwise the output is suppressed because the execution of the SCREEN block is skipped.

```
-1.0
 1.0
```