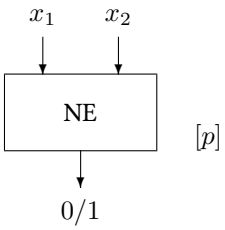
Block NE

The NE block tests whether its first input is different from the second one.





Name	NE
Function	fb0027
Inputs	2
Outputs	1
Parameters	0 . . . [1]
Strings	0
Group	S

Inputs

1	Any value x_1
2	Any value x_2

Outputs

1	y is set to one if $\lvert x_1 - x_2 \rvert > p$, otherwise y is set to zero

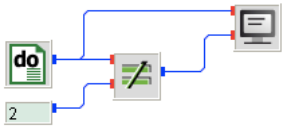
Parameters

1	Error tolerance $p \geq 0$ for the difference between x_1 and x_2, set to zero by default

Strings

None

ne.vseit



A DO block counts from 1 to 3. The CONST block provides a constant with value 2. The NE blocks checks, whether the output of the DO block is not equal to 2 (true = 1) or equal (false = 0). The SCREEN block displays the result.

```
1.0   1.0
2.0   0.0
3.0   1.0
```