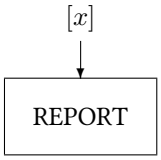
Block REPORT

The REPORT block can be used to generate a primitive report of a simulation run.





Text, unit, type

Name	REPORT
Function	fb0062
Inputs	0 . . . [1]
Outputs	0
Parameters	0 . . . [1]
Strings	0 . . . [2]
Group	S

Inputs

1 Value for a standard line.

Outputs

None

Parameters

1 Type of line
- 0 Standard line (default)
- 1 Headline
- 2 Intermediate headline

Strings

1 Text to be printed
2 Unit of input signal

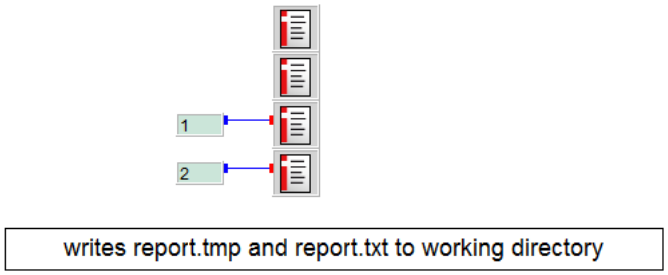
Description

The REPORT block provides a simple way to produce some textual output directly from an INSEL model. Since the blocks can be distributed in several macros, for instance, a sorting mechanism is required so that INSEL can produce ordered output.

This is accomplished by using a four type string followed by an underscore as the first five characters of the text message. This five character code will later be used by INSEL as sorting indicator. After the sorting is completed the five characters will be removed.

The REPORT block writes two data files into the INSEL working directory, a temporary file named `report.tmp` which is unsorted and includes the five leading characters, and the report file `report.txt` which is well formatted.

report.vseit



The example file contains four REPORT blocks. The first two – without any inputs – define two Headlines with the text 0000_Overall Headline and 0010_Intermediate Headline, the second two REPORT blocks define two Standard lines with inputs, which are set to one and two, respectively.

By the way, the text in the `.vseit` file comes from a Headline object as provided by the Objects palette.

report.tmp The unsorted report file becomes

```
(((((INSEL REPORT GENERATOR VERSION 1.3
)))))
)))))
00101
0010_Intermediate Headline
0010a-------------------------------------------------------------------------------
00001
0000_Overall Headline
0000a================
0000b
0030_Second Textline                                    2.00000 Unit 2
0020_First Textline                                     1.00000 Unit 1
```

report.txt After sorting the final report becomes

```
INSEL REPORT GENERATOR VERSION 1.3



Overall Headline
================


Intermediate Headline
-------------------------------------------------------------------------------
First Textline                                          1.00000 Unit 1
Second Textline                                         2.00000 Unit 2
```