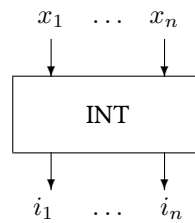


## Block INT

The INT block returns the integer value of the input signal.

12.34



|                   |            |
|-------------------|------------|
| <b>Name</b>       | INT        |
| <b>Function</b>   | fb0005     |
| <b>Inputs</b>     | 1 ... [10] |
| <b>Outputs</b>    | 1 ... [10] |
| <b>Parameters</b> | 0          |
| <b>Strings</b>    | 0          |
| <b>Group</b>      | S          |

|            |                                                                                       |                                                                                                                        |
|------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Inputs     | $i$                                                                                   | Any value $x_i$                                                                                                        |
| Outputs    | $i$                                                                                   | Truncated integer value of $x_i$ , ie if $n \leq x_i < n + 1$ for any value $n \in \mathbf{N}$ , return value is $n$ . |
| Parameters |                                                                                       | None                                                                                                                   |
| Strings    |                                                                                       | None                                                                                                                   |
| Remarks    | The output of the INT block has a rounded value but is still a Fortran Real variable. |                                                                                                                        |

int.vseit



A **DO** block varies its output from 0 to 2 in steps of 0.4. The **INT** block calculates the integer fraction which is then displayed by a **SCREEN** block.

|      |      |
|------|------|
| 0.00 | 0.00 |
| 0.40 | 0.00 |
| 0.80 | 0.00 |
| 1.20 | 1.00 |
| 1.60 | 1.00 |
| 2.00 | 2.00 |