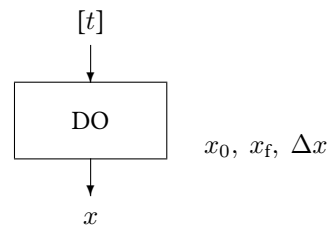


Block DO

The DO block returns numerical values with a constant increment.



Name	DO
Function	fb0013
Inputs	0 ... [1]
Outputs	1
Parameters	3
Strings	0
Group	T

Inputs

- | | |
|---|---|
| 1 | Output t of a predecessor (optional). Should the block defining the t signal be executed again after DO has finished its operation, the DO block performs a reset and starts again. |
|---|---|

Outputs

- | | |
|---|---|
| 1 | The output signal x runs from x_0 to x_f in steps of Δx |
|---|---|

Parameters

- | | |
|---|----------------------|
| 1 | Initial value x_0 |
| 2 | Final value x_f |
| 3 | Increment Δx |

Strings

None

do.vseit



DO blocks can be nested. The outer DO block (which has no input) counts from 1 to 3. The second DO block uses the output of the outer DO block and varies its output from 0 to 10 in steps of 5. The outputs are displayed by a SCREEN block.

1.0	0.0
1.0	5.0
1.0	10.0
2.0	0.0
2.0	5.0
2.0	10.0
3.0	0.0
3.0	5.0
3.0	10.0