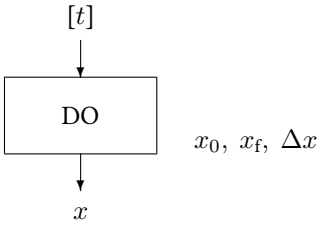
Block DO

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
```