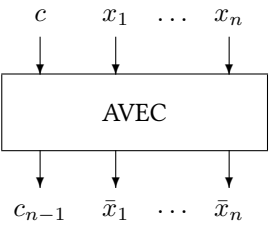


Block AVEC

The AVEC block cumulates its second input signal as long as the condition input remains constant. When this input changes its value, the average is calculated and the successors of the block are executed.



|            |            |
|------------|------------|
| Name       | AVEC       |
| Function   | fb0037     |
| Inputs     | 2 ... [51] |
| Outputs    | 2 ... [51] |
| Parameters | 0          |
| Strings    | 0          |
| Group      | I          |

Inputs

- 1 Condition input  $c$
- 2 Any signal  $x_1$
- $n$  Any signal  $x_{n-1}$

Outputs

- 1 Condition input  $c$  delayed by one step
- 2 Average  $\bar{x}_1$
- $n$  Average  $\bar{x}_{n-1}$

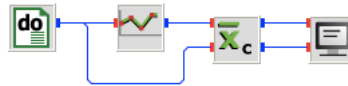
Parameters

None

Strings

None

avec.vseit



In a **DO** block numbers are counted from 1 to 6. The **POLYG** block provides the condition (either 1 or 2) as a function of the DO block's signal through the parameters

|   |   |
|---|---|
| 1 | 1 |
| 2 | 1 |
| 3 | 2 |
| 4 | 2 |
| 5 | 2 |
| 6 | 2 |

The **AVEC** block calculates the conditional average and finally the result is displayed by the **SCREEN** block.

|    |      |
|----|------|
| 1. | 1.50 |
| 2. | 4.50 |

See also Blocks **AVE**, **AVEM**, **AVEP**.