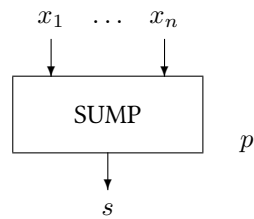


Block SUMP

The SUMP block cumulates its inputs over a given number of calls.



Name	SUMP
Function	fb0041
Inputs	1 ... [999]
Outputs	1
Parameters	1
Strings	0
Group	S

Inputs

- | | |
|-----|-----------------|
| 1 | Any value x_1 |
| 2 | Any value x_2 |
| n | Any value x_n |

Outputs

- | | |
|---|---|
| 1 | Cumulated sum s of all x_i for $i = 1 \dots n \leq 999$. After p steps the sum s is reset to zero. |
|---|---|

Parameters

- | | |
|---|---|
| 1 | Number $p > 0$ of steps to cumulate the input signals |
|---|---|

Strings

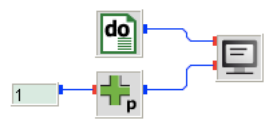
None

Description The block calculates the sum of the inputs $x_1 \dots x_n$ according to

$$s(t_{m+1}) = s(t_m) + \sum_{i=1}^n x_i$$

The sum is reset to zero after p steps.

sump.vseit



A **DO** block counts from one to six. The **SUMP** block cumulates the **CONST** one and performs a reset every five steps, as specified by the parameter of the **SUMP** block. The result is shown by a **SCREEN** block.

1.0	1.0
2.0	2.0
3.0	3.0
4.0	4.0
5.0	5.0
6.0	1.0