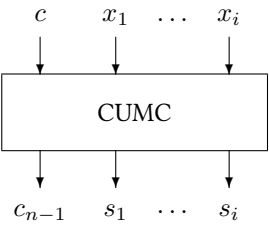


Block CUMC

The CUMC block cumulates its second input signal as long as the condition input remains constant. When this input changes its value, the cumulated sum is on output and the successors of the block are executed.



Name	CUMC
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 Cumulated sum s_1 over all $c = \text{const}$ calls
- n Cumulated sum s_{n-1} over all $c = \text{const}$ calls

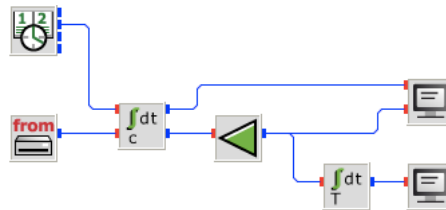
Parameters

None

Strings

None

cumc.vseit



A **CLOCK** block runs through all 8760 hours of a year. The **READ** block reads radiation data from a data file in W/m^2 . The **CUMC** block cumulates the data over each month. An **ATT** block converts the result into kWh/m^2 . Finally, the **SCREEN** block displays the result on screen. In addition, the **CUM** cumulates the monthly values over the whole year and a second **SCREEN** block displays the annual result.

Month 1.:	Radiation	21.86 kWh/m^2
Month 2.:	Radiation	33.94 kWh/m^2
Month 3.:	Radiation	74.66 kWh/m^2
Month 4.:	Radiation	119.25 kWh/m^2
Month 5.:	Radiation	142.43 kWh/m^2
Month 6.:	Radiation	144.02 kWh/m^2
Month 7.:	Radiation	160.57 kWh/m^2
Month 8.:	Radiation	105.14 kWh/m^2
Month 9.:	Radiation	84.20 kWh/m^2
Month 10.:	Radiation	37.78 kWh/m^2
Month 11.:	Radiation	18.99 kWh/m^2
Month 12.:	Radiation	11.85 kWh/m^2
Annual radiation		954.69 kWh/m^2

See also Blocks **CUM**, **CUMP**.