**input**

*Declaration of block input variables*

**Syntax:**

**input** <name of variable 1>{:<type of variable 1>}{=<triggering expression 1>}{**,**<name of variable 2>{:<type of variable 2>}{=<triggering expression 2>}}**;**

**Description:**

Declaration of block input variables (the format is the same as **var**). Values from the block inputs will be transmitted to these variables. Dimensions are compulsorily specified in square brackets for arrays and matrixes.

**Example:**

|  |  |
| --- | --- |
|  | **input** u1,u2;  **if** u1>u2 **then** y=u1 **else** y=u2;  **output** y; |
|  |  |

Output block variable – maximum value of two input variables.