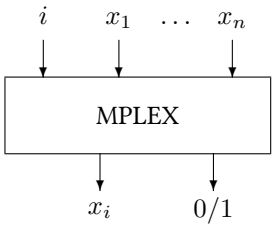
Block MPLEX

The MPLEX block simulates a multiplexer, i.e. it connects a certain input to the output signal.





Name	MPLEX
Function	fb0048
Inputs	2 . . . [101]
Outputs	2
Parameters	0
Strings	0
Group	S

Inputs

1	Output index i
2	Any signal x_1
$i+1$	Any signal x_i
$n+1$	Any signal x_n

Outputs

1	Multiplexed signal x_i, when $1 \leq \mathrm{i} \leq n$, else set to 0
2	Error indicator is set to 0 if $1 \leq \mathrm{i} \leq n$, else set to 1.

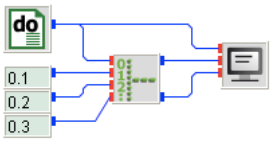
Parameters

None

Strings

None

mplex.vseit



A DO counts from zero to four, used as first input of the MPLEX block. Since three CONST blocks are connected to the MPLEX block zero and four are unallowed values for the output index. Therefore, warning messages occur and the SCREEN block displays

```
W05107 Block 00002: Invalid index input
  0.0  0.0  1.0
  1.0  0.1  0.0
  2.0  0.2  0.0
  3.0  0.3  0.0
  4.0  0.0  1.0
W05108 Block 00002: Number of invalid indexes:        2
```