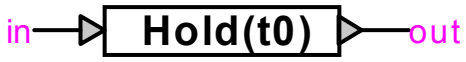
Control device : hold (t0)

1 Description

This device holds as output the value presented by the input at t=0.

1.1 Pins



This device has two signal pins:

pin	*description*	*value when unconnected*
in	input	0
out	output	as calculated

1.2 Parameters

No user-defined parameters are required.

1.3 History

No user-defined history is required.

1.4 Scopes

Setting the scope flag enables monitoring of the output signal during the simulation.

1.5 Output signal interpolation

No output signal interpolation is required.

2 Time-domain representation

In the time domain at t>0, the output value is calculated as follows:

$$out(t) = in(0) \quad (1)$$

3 Steady-state representation

In the time domain at t>0, the output value is calculated as follows:

$$out(0) = in(0) \quad (2)$$

4 Netlist

4.1 Format

Netlist format:

```
_c_hld0;name;2;2;out,in,
scope,
```

field	*description*	*value*
c_gain name 2 2	part name instance name pin count pin count	
out in	signal name of the output signal name of the input	
scope	monitoring, optional	"?s" for enabled

The comma separated data is saved into the ParamsA attribute of this device.