

## sampler\_edge.xbe

### Attributes

```
xbe name=sampler_edge evaluate=yes limit_tstep=no save_history=yes allow_ssw=no
#
# when an active edge is detected at clock, sample input x and make it available
# as output y.
#
Jacobian: variable
input_vars: clock x
output_vars: y
aux_vars:
iparms:
+ active_pos_edge=1
+ active_neg_edge=0
sparms:
rparms:
+ clock_low=0
+ clock_high=1
stparms:
igparms:
outparms: clock x y
```

### Description

sampler\_edge.xbe is used to sample a signal (x) and make it available as output y when an active edge is detected at the clock input. A positive edge is considered to be active if active\_pos\_edge is 1. A negative edge is considered to be active if active\_neg\_edge is 1.

clock, x, y are made available as output variables.