

# integrator\_1.xbe

## Attributes

```
xbe name=integrator_1 integrate=yes
# y=(k/tau)*int(x dt)
Jacobian: constant
input_vars: x
output_vars: y
aux_vars:
iparms:
sparms:
rparms: k=1 tau=1 ki=0
stparms: y_st=0
igparms: y_ig=0
outparms: x y
```

## Description

integrator\_1.xbe gives  $y = \frac{k}{\tau} \int x dt$ . The parameter `y_st` provides the start-up value for `y` in start-up simulation.