vsrc_x.ebe

Attributes

```
ebe name=vsrc_x x_inputs=yes
# voltage source v=x_in
Jacobian: constant
nodes: p n
state_vars:
aux_vars: cur_p
aux_vars_startup: cur_p_s
x_vars: x_in
iparms:
sparms:
rparms:
+  k_scale=1
stparms:
igparms:
outparms: i v
```

Description

vsrc_x.ebe is a voltage source connected between nodes p and n. Its voltage is equal to the product of x_{in} (the value of the input flow-graph type variable x_in) and the scaling factor k_scale. The branch current and branch voltage are made available as output variables i and v, respectively.