isrc_x.ebe

Attributes

```
ebe name=isrc_x x_inputs=yes allow_elex=yes
Jacobian: constant
nodes: p n
state_vars:
aux_vars:
aux_vars_startup:
elex_aux_vars:
x_vars: x_in
iparms:
sparms:
rparms:
stparms:
igparms:
n_sw_states: 0
sw_type: none
outparms: i v pwr
```

Description

isrc_x.ebe is a current source with the current given by the value of x_in. This current flows from the external circuit to node n, and then to node p. The branch current (from n to p), the branch voltage ($v_p - v_n$), and the power $p = (v_p - v_n) \times i$ are made available as output variables, i, v, pwr, respectively.