



switch_e.ece

Attributes

```
mainnodes: p n
outvar: i1=brc_of_s0 v1=brv_of_s0
ind_nodes: node_1 node_2
rparms: ron=1m roff=1M v_high=1.0
```

Description

switch_e.ece is a switch which behaves like a resistance R_{on} when closed and R_{off} when open. The voltage difference between nodes **node_1** and **node_2** determines if the switch is open or closed.

If $[v(\text{node_1}) - v(\text{node_2})] > v_high/2$, the switch is closed, else it is open.

The branch voltage **v1** and the branch current **i1** are made available as output variables.

AC behaviour is not implemented.