



## switch\_g1.ece

### Attributes

```
mainnodes: p n
outvar: i1=brc_of_s0 v1=brv_of_s0
main_var: g_in
rparms: ron=1m roff=1M g_high=1.0
```

### Description

`switch_g1.ece` is a switch which behaves like a resistance  $R_{\text{on}}$  when closed and  $R_{\text{off}}$  when open.

The value of the general variable `g_in` determines if the switch is open or closed.

If `g_in` > `g_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.