



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_{on} when closed and R_{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.