



switch_diode_g.ece

Attributes

```
mainnodes: c e  
main_var: g  
rparams: ron=1e-3 roff=1M g_high=1.0
```

Description

switch_diode_g.ece is parallel combination of a switch (“S” in the figure) and an idealized diode (“D” in the figure). The value of the general variable g determines if the switch S is open (i.e., resistance= $roff$) or closed (i.e., resistance= ron). If $g > g_high/2$, S is closed, else it is open. The diode D is an idealized diode with on resistance ron and off resistance $roff$.

AC behaviour is not implemented.