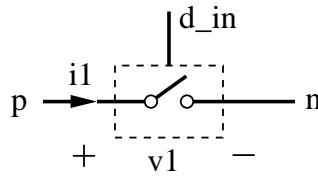


switch_d.ece



Attributes

```
mainnodes: p n
outvar: i1=cur(p)_of_s1 v1=v1_of_s1
digital_nodes: d_in
rparms: ron=1e-3 roff=1M
```

Description

`switch_d.ece` is a switch which behaves like a resistance R_{on} when closed and R_{off} when open.

If the digital input `d_in` is high, the switch is closed; else, it is open. The values of R_{on} and R_{off} are specified by the real parameters `ron` and `roff`, respectively.

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

AC behaviour is not implemented.