



## diode\_r.ece

### Attributes

```
mainnodes: p n
outvar: i1=brc_of_s1 v1=brv_of_s1
rparms: ron=1.0 roff=1.0M
```

### Description

`diode_r.ece` is an idealized diode connected between `p` and `n`. Its resistance is `ron` when the branch voltage ( $v(p) - v(n)$ ) is positive and `roff` otherwise. The output variables `i1` and `v1` are the branch current and branch voltage, respectively.

AC is not implemented.