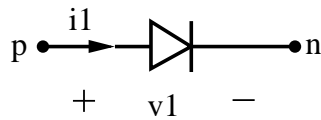


diode_r.ece



Attributes

```
mainnodes: p n
outvar: v1=v1_of_d1 i1=cur(p)_of_d1
rparms:
+   ron=1.0
+   roff=1.0M
+   v_on=0
```

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 greater than **v_on**, and **roff** otherwise. The output variables **i1** and **v1** are the branch current and branch voltage, respectively.

AC behaviour is not implemented.