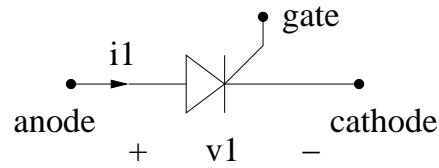


thyristor_g.ece



Attributes

```
mainnodes: anode cathode
outvar: i1=cur(anode)_of_s1
main_var: gate
rparms: ron=0.1 roff=10M g_high=1.0
```

Description

`thyristor_g.ece` is an idealized thyristor which behaves like a resistance R_{on} when it is on and R_{off} when it is off. If the value of the general variable `gate` is greater than $g_high/2$, the thyristor is triggered. The values of R_{on} and R_{off} are specified by the real parameters `ron` and `roff`, respectively.

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

AC behaviour is not implemented.