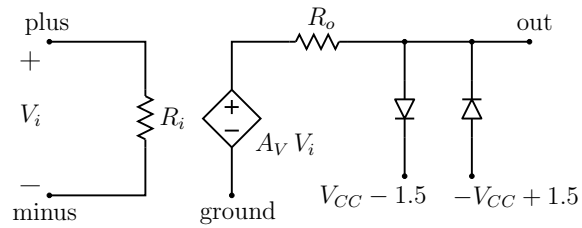


opamp1_a.ece



Attributes

```
mainnodes: plus minus out
rparms:
+ rin=1M
+ rout=10
+ av=1e5
+ v_cc=15
```

Description

opamp1_a.ece is an idealized (behavioral) op amp model as shown in the figure. The diodes are used to limit the output voltage to about $\pm(V_{CC} - 0.7)$. The $\pm V_{CC}$ voltage sources are internally provided; the user does not need to connect them separately to the op amp.

The small-signal model for this element has been implemented by replacing the components by the corresponding AC elements. Diodes are replaced by open circuits.