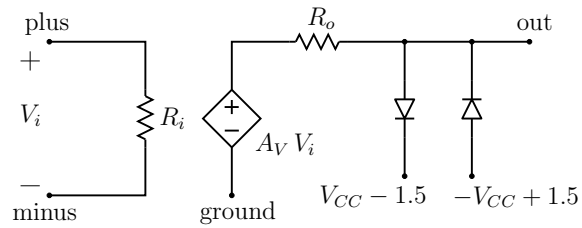


opamp1_b.ece



Attributes

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

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 to be connected by the user externally. The node **vcc** should be connected to the $+V_{CC}$ supply and **vee** to the $-V_{CC}$ supply.

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.