



cccs.ece

Attributes

```
mainnodes: p n
outvar: i1=brc_of_i0 v1=brv_of_i0
ind_branches: cccsbr
rparms: beta=1.0
outvar_ac: i1ac=brc_of_i0 v1ac=brv_of_i0
ind_branches_ac: cccsbr_ac
```

Description

cccs.ece is a current-controlled current source connected between nodes p and n. The current from n to p is given by $v = \beta i'$ where i' is the current through the branch cccsbr. A similar relation holds for AC except that the name of the branch is cccsbr_ac in that case. The output variables i1 and v1 are the branch current and branch voltage, respectively. The AC output variables i1ac and v1ac are the AC branch current and branch voltage, respectively.