

`cccs.ece`



Attributes

```
mainnodes: p n
outvar: v1=v1_of_i0 i1=cur(p)_of_i0
ind_branches: cccsbr
rparms: beta=0
outvar_ac: i1ac=cur(p)_of_i0
```

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 variable **i1** gives the current through the element from **p** to **n** and **v1** gives the voltage drop from **p** to **n**. The AC output variable **i1ac** is the AC branch current.