ccvs.ece

<u>Attributes</u>

```
mainnodes: p n

outvar: i1=brc_of_v0 v1=brv_of_v0

ind_branches: ccvsbr

rparms: rm=1.0

outvar_ac: i1ac=brc_of_v0 v1ac=brv_of_v0

ind_branches_ac: ccvsbr_ac
```

<u>Description</u>

`ccvs.ece` is a current-controlled voltage source connected between nodes `p` and `n`. The voltage between `p` and `n` is given by $v=\text{rm}\times i'$ where i' is the current through the branch `ccvsbr`. A similar relation holds for AC except the name of the branch is `ccvsbr_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 are the AC branch current and branch voltage, respectively.