



vsrcdc3.ece

Attributes

mainnodes: p n

outvar: v1=brv_of_v0 i1=brc_of_v0

rparms: vdc=0 a=0

outvar_ac: i1ac=brc_of_v0 v1ac=brv_of_v0

Description

`vsrcdc3.ece` is a DC voltage source of magnitude `vdc` connected between nodes `p` and `n`. The output variables `i1` and `v1` are the branch current and branch voltage, respectively.

In AC analysis, `vsrcdc3` is replaced by a voltage source $A \angle 0$. This is convenient in cases where both DC and AC behaviour of a circuit is of interest. `i1ac` and `v1ac` are the AC branch current and branch voltage, respectively.