



## 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.