## **Attributes**

Jacobian: variable
input\_vars: g1 g2 g3 g4 g5 g6
output\_vars: va vb vc
aux\_vars:
iparms:
sparms:
rparms:
+ vdc=10

xbe name=vsi\_3ph\_1 evaluate=yes

+ L=1 + Lby2=0 stparms:

igparms:

outparms: va vb vc g1 g2 g3 g4 g5 g6

## **Description**

 $vsi_3ph_1$ . xbe represents an ideal 3-phase inverter shown below. The variables va, vb, vc are assigned values  $V_{dc}$ ,  $V_{dc}/2$ , or 0, depending on the gate signals g1, g2, g3, g4, g5, g6. A gate signal is considered to be high if it is greater than L/2.



