

vsi_3ph_1.xbe

Attributes

```
xbe name=vsi_3ph_1 evaluate=yes
Jacobian: variable
input_vars: g1 g2 g3 g4 g5 g6
output_vars: va vb vc
aux_vars:
iparms:
sparms:
rparms:
+ vdc=10
+ 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 $L/2$.

