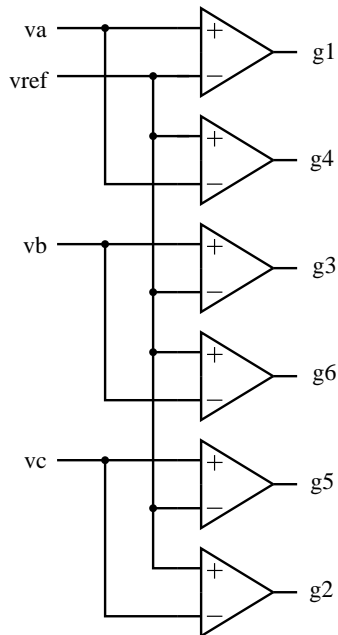


pwm_3.gce



Attributes

```
mainvars:
+   va vb vc
+   g1 g2 g3 g4 g5 g6
iparms:
+   flag_frequency=0
+   flag_period=1
rparms:
+   tperiod=10u
+   frequency=1k
+   t0=0
+   triangle_high=1.0
+   triangle_low=-1.0
+   epsl=1.0e-6
+   delt_min=1.0e-7
+   delt_nrml=1.0e-5
+   g_high=1.0
+   t_delay=2u
```

Description

`pwm_3.gce` is used to generate PWM pulses from a reference signal (a triangle wave) generated internally, and `va`, `vb`, `vc`.

The parameters `tperiod`, `t0`, `triangle_high`, `triangle_low` are used to control the trian-

gle wave, as explained in the documentation for `triangle_2.gce`. (If the integer parameter `flag_frequency` is 1, the period is computed as $1/f$, where f is given by the real parameter `frequency`).

A delay is introduced between `g1` and `g4` (and similarly between `g3` and `g6`, and between `g5` and `g2`), i.e., `g4` becomes high a short time (given by `t_delay`) after `g1` goes low, and so on.

The parameters `delt_min`, `delt_nrml`, and `eps1` are used for controlling the simulator time steps as explained in the documentation for `cmprtr_1.gce`.

The parameter `g_high` is used to determine the height of the output pulses (`g1` to `g6`), the lower level is assumed to be zero.

AC behaviour is not implemented.