

cmprtr_1a.gce

Attributes

```
mainvars: x1 x2 y1 y2
rparms: g_high=1.0 eps1=1.0e-6 delt_min=1.0e-6
+      delt_nrml=1.0e-3
```

Description

`cmprtr_1a.gce` is a comparator which compares general variables `x1` and `x2`. The output `y1` is `g_high` if `x1 > x2`; else, it is zero. The other output, `y2`, is the complement of `y1`.

The parameters `delt_min`, `delt_nrml`, and `eps1` are used for controlling the simulator time steps. Additional time points are forced, depending on the values of `delt_min` and `delt_nrml`, when `x1` and `x2` are within `eps1` of each other. This feature allows accurate simulation without having to make the average time step very small. Generally, `delt_nrml` should be made equal to the typical simulator time step (`delt_const`) while `delt_min` should be made much smaller (say, by a factor of 100).

AC behaviour is not implemented.