Attributes

```
inputs: D
outputs: g1a g1b g2a g2b
e_left_nodes:
e_right_nodes:
e_top_nodes:
b_left_nodes:
b_top_nodes:
b_top_nodes:
b_bottom_nodes:
parameters:
   delt_min: 1e-6
   delt_nrml: 10e-6
   fc: 1e3
   t_offset: computed
```

Description

s_pwm_4 is used to generate gate pulses by comparing the input D with two triangle waves differing in phase by 180°. The frequency of the triagle waves is given by the parameter fc. The schematic diagram of s_pwm_4 is shown in Fig. 1, and sample waveforms are shown in Fig. 2. Note that g1b is inverse (not) of g1a; similarly g2b is inverse of g2a.

The parameters delt_min, delt_nrml are used for controlling the simulator time steps (see documentation for cmpr_2_2).



Figure 1: Schematic diagram of s_pwm_4.



Figure 2: Sample waveforms obtained with s_pwm_4.