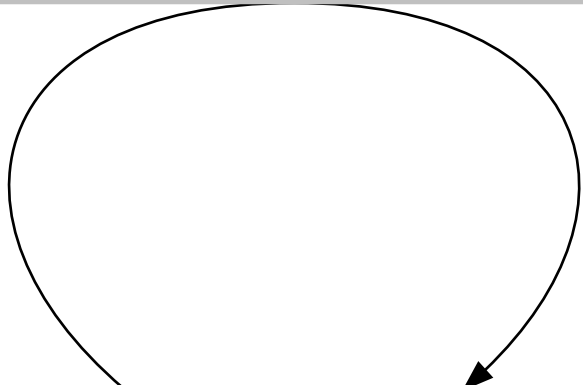


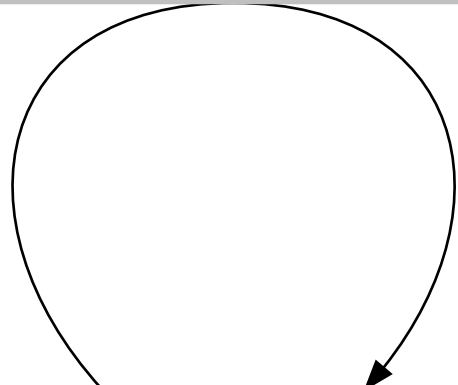
Transition
@ OnEvent(cobaExcit_spikeinput)
Assign: cobaExcit_g <= cobaExcit_g+cobaExcit_q



Regime3
 $diaf_V/dt = (iaf_gl * (iaf_vrest - iaf_V) + iaf_ISyn + cobaExcit_I) / (iaf_cm)$
 $dcobaExcit_g/dt = -cobaExcit_g / cobaExcit_tau$

Transition
@ OnCondition(iaf_V > iaf_vthresh)
Assign: iaf_tspike <= t
Assign: iaf_V <= iaf_vreset
Emit Event: iaf_spikeoutput

Transition
@ OnEvent(cobaExcit_spikeinput)
Assign: cobaExcit_g <= cobaExcit_g+cobaExcit_q



Regime4
 $diaf_V/dt = 0$
 $dcobaExcit_g/dt = -cobaExcit_g / cobaExcit_tau$

Transition
@ OnCondition(t >= iaf_tspike + iaf_taurefrac)

