$\tau_{sp} = 1, \ N_{p,lim} \in [0, 20], \ \tau_{ps} = .7, \ \Gamma_s = 20, \ N_{w,lim} = 5$
$\tau_{ws} = 1, \ \tau_s = 1, \ N_{p,0} = 0, \ N_{s,0} = 1., \ N_{wm,0} = 0$

N_p
N_s
N_w