input spike-trains 10 30 50 960 980 1000 dendritic integration of evidence 750 volleys/s 500 spike threshold active segments 250 rect. integrator 0.00 0.25 0.50 0.75 1.00 1.25 1.50 2.00 3.00 time [s] 750 750 750 500 500 500 250 250 250 0.2500 0.3125 0.3750 0.7500 0.8125 1.3125 0.8750 1.2500 1.3750