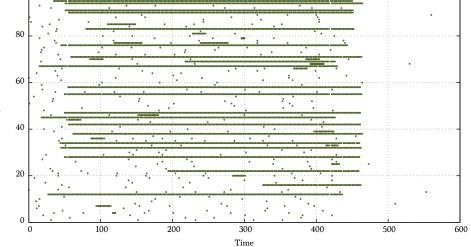Synchronization for the phase-advance algorithm (100 nodes, cycle length = 5sec)