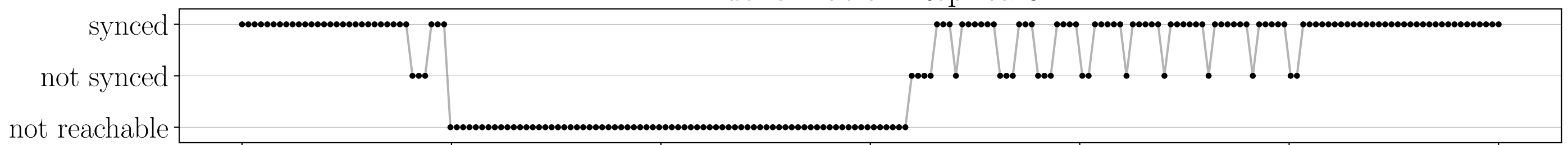


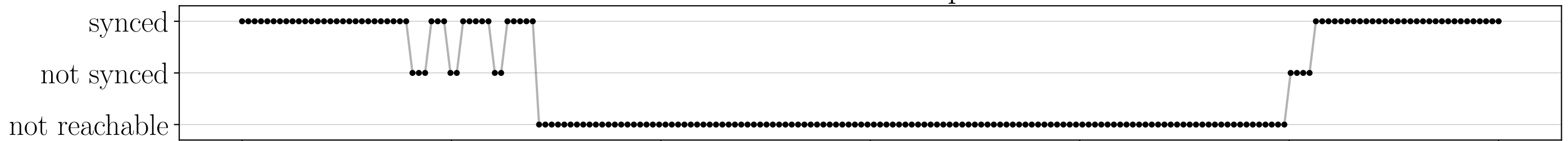
Authorization Replica 0



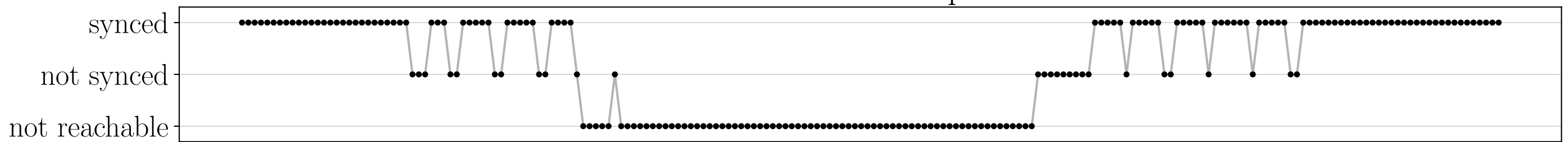
Authorization Replica 1



Authorization Replica 2



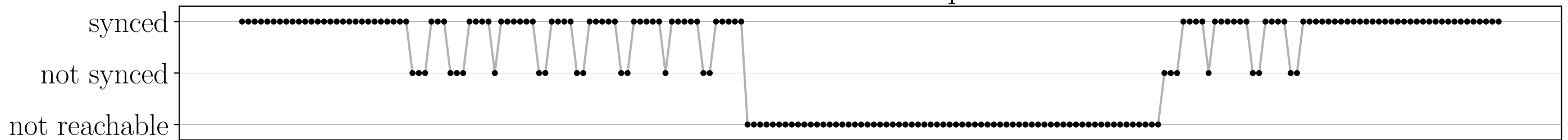
Authorization Replica 3



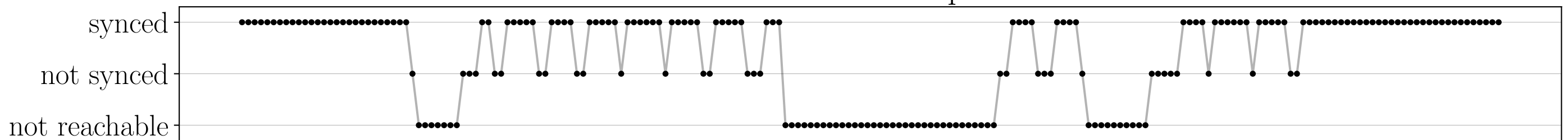
Authorization Replica 4



Authorization Replica 5



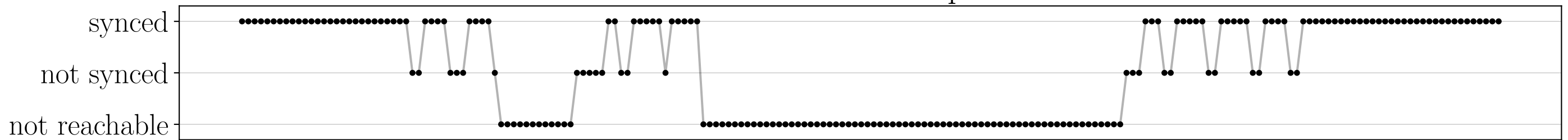
Authorization Replica 6



Authorization Replica 7



Authorization Replica 8



Authorization Replica 9

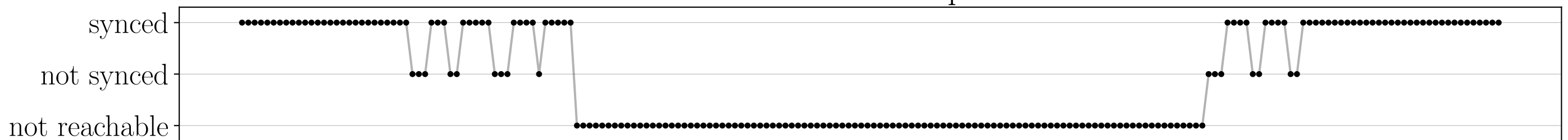


Figure 10 shows the time evolution of the probability P_{11} of finding the system in the state $|11\rangle$. The x-axis represents Time in seconds [s], ranging from 0 to 300. The y-axis represents P_{11} , ranging from 0 to 1. Two curves are plotted: a solid line for the exact solution and a dashed line for the perturbative solution. Both curves start at $P_{11} = 1$ at $t = 0$, drop to a minimum of approximately 0.25 at $t \approx 100$ s, and then rise back towards 1. The perturbative solution (dashed line) is slightly higher than the exact solution (solid line) for $t > 150$ s.