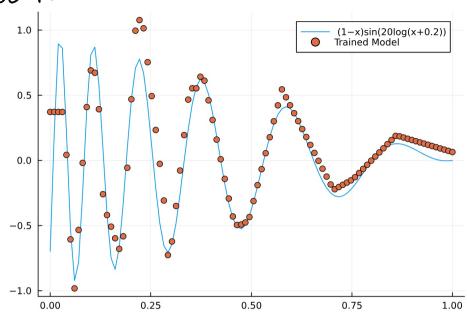
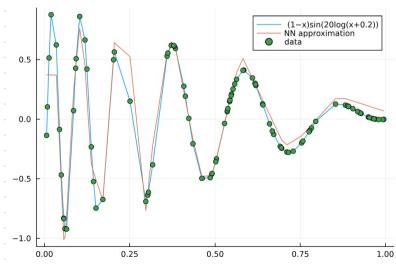
Ameurda Marlon HW5 DMV

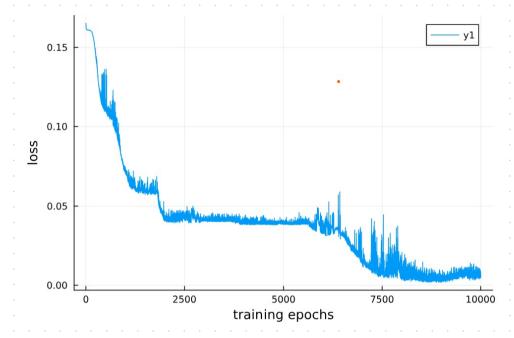
mean reward: 38.329





Plot from training:





a) I used DQN learning. I use an epsilon greedy policy initialized with &=05 and then deceys, I use the policy to take 100 steps in the environment that add data to the buffer. Then, I train with 1000 random samples from the butter, I continue to interact with the environment in this way, and every 1000 steps I update Qo' to be Qo. Once, it reaches a terminal state, or 7<0.01, the epoch ends and I evaluate the current Q to see if it should be sowed as the best Q. I continue looping through epochs until I reach 100000 steps in the environment. Then I return the most Q.

