1. Problem 2.18 (ii).

2. Use my (or your) program ‘cars.m’ to study the behavior of the platoon of cars in a tunnel.
   (i) For $M = 8$, and $\Delta = 0.15$, study a platoon of 15 cars. Find the values where integer $\sigma$ transitions from stable to unstable.
   (ii) Now change the sign of $\Delta$. Are you seeing the same transition point? Give a one sentence explanation of the observed phenomenon.
   (iii) Change to $\Delta = 0.20$, where does the transition point go to?

3. Problem 2.19.