Day 7: Homework

Question 1 : Explain why an Evolutionary Stable Strategy cannot be strictly dominated by another strategy. (You may use the theorems in today's worksheet without proof).

Question 2 : Create a 2×2 payoff matrix that has a weak Nash Equilibrium that is NOT an Evolutionary Stable Strategy. Create another 2×2 payoff matrix that has a weak Nash equilibrium that IS an Evolutionary Stable Strategy.

Question 3 : Go to `http://oyc.yale.edu/sites/default/files/problemset5_1.pdf`. Do question 2, but replace question 2(a) with "find the pure strategy Nash equilibria of this game."