Economics 104: Game Theory, Spring 2011 Problem Set 3

(O) Questions:

(1) Exercise 400.2 (Example of Evolutionary Stable Actions)

(2) Exercise 402.1 (Mixed Strategy ESSs)

(3) Exercise 405.1 (Hawk-Dove-Retaliator)

(4) Exercise 405.2 (Variant of BoS)

(5) Exercise 414.1 (A Coordination Game Between Siblings)

(6) Exercise 416.1 (Darwin's Theory of the Sex Ratio)

(7) Exercise 58.1 (Cournot's Duopoly Game with Linear Inverse Demand and Different Unit Costs)

(8) Exercise 59.1 (Cournot's Duopoly Game with Linear Inverse Demand and Quadratic Cost Function)

(9) Exercise 60.2 (Nash Equilibrium of Cournot's Duopoly Game and Collusive Outcomes)

(10) Exercise 61.1 (Cournot's Game with Many Firms)

(11) Exercise 67.1 (Bertrand's Duopoly Game with Constant Unit Cost)

(12) Exercise 67.2 (Bertrand's Duopoly Game with Discrete Prices)