# PRACTICE PROBLEMS $\boxed{5}$

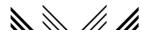## Topics: iterative elimination of dominated strategies

**VERY IMPORTANT**: do **not** look at the answers until you have made a VERY serious effort to solve the problem. If you turn to the answers to get clues or help, you are wasting a chance to test how well you are prepared for the exams. I will **not** give you more practice problems later on.

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**1.** In the dognapping game of problem 1 of set 1, consider the two games against the professional dognapper, one played by you, the other by the police. Find the iterated dominant strategy equilibrium in each game.

**2.** In the road map game of problem 2 of set 1, what do you get when you apply the procedure of iterative elimination of weakly dominated strategies?

**3.** In games B and C of Problem 3 of set 1 (between Antonia and Bob), is there an iterated dominant strategy equilibrium?