Assignment 3

Due on 2019-10-21, 22:09 IST.

1. Which of the following statements are true?
   - A number is the sum of the diagonal elements.
   - Every pure strategy can be represented as a mixed strategy.
   - The game in which a 1 is placed at the upper right-hand corner is the classic Prisoner's Dilemma.
   - The normal form of a game is the normal form of a matrix.
   - The number of possible outcomes in a game is equal to the product of the number of players.
   - Every pure strategy can also be represented as a mixed strategy.
   - The game at the bottom of the page is a classic Prisoner's Dilemma.
   - The game at the top of the page is a classic Prisoner's Dilemma.
   - The number of possible outcomes in a game is equal to the product of the number of players.
   - The number of possible outcomes in a game is equal to the product of the number of strategies.
   - The number of possible outcomes in a game is equal to the product of the number of players.

2. Determine the optimal strategy for the player in each of the following games:
   - Open-Ended Game
   - Open-Ended Game

3. Consider the following games:
   - The payoff matrix for the game is given by the following table:
     - Open-Ended Game
     - Open-Ended Game

4. Consider the following games:
   - The payoff matrix for the game is given by the following table:
     - Open-Ended Game

5. Consider the following games:
   - The payoff matrix for the game is given by the following table:
     - Open-Ended Game

6. Consider the following games:
   - The payoff matrix for the game is given by the following table:
     - Open-Ended Game

7. Consider the following games:
   - The payoff matrix for the game is given by the following table:
     - Open-Ended Game

8. Consider the following games:
   - The payoff matrix for the game is given by the following table:
     - Open-Ended Game