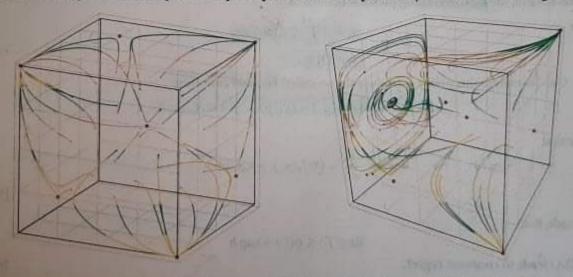
Problem 1: Games and their dynamics. This question has two main parts: the first concerns dominated strategies, the second concerns the replicator dynamics.

(Q1) Consider the bimatrix game given below:

Perform the procedure of iterated elimination of dominated strategies. Is the game dominance-solvable?

[6 points]

(Q2) Each of the diagrams below represents a phase portrait for the replicator dynamics in a 2 × 2 × 2 game.



In each diagram, Nash equilibria have been marked with a red dot (there are 7 Nash equilibria in each game). For each equilibrium, indicate:

- (a) If it is Lyapunov stable.
- (b) If it is asymptotically stable.

[14 points]