COMP323 - Introduction to Computational Game Theory

Tutorial 2 - Questions

Problem 1. Compute all the Nash equilibria for each of the following bimatrix games. (Hint: Use the support enumeration method.)

(a) (from lecture slides)

		Player 2		
		L	M	R
Player 1	T	7 , 2	2 , 7	3 , 6
	B	2 , 7	7 , 2	4 , 5

(b) (The Going-to-the-Movies Deadlock)
Two friends, T and F, wish to go together to watch a movie. The candidate movies are "It: Chapter Two", "Joker", and "Rambo: Last Blood", and the respective payoffs for each of the players corresponding to each combination of choices can be found in the following bimatrix game.

		Player F		
		I	J	R
Player T	I	8 , 1	2 , 2	2 , 4
	J	3 , -2	9 , 5	3 , 4
	R	-2 , -2	-2 , 2	4 , 7