

Due in class on Thursday, October 6, 2022

#1. Find all pure strategy Nash equilibria in the following games.

game (a)

| | D | E | F |
|-----|------|------|-------|
| A | 2, 3 | 0, 0 | 0, -1 |
| B | 0, 0 | 5, 4 | 0, -1 |
| C | 1, 0 | 2, 0 | 0, -1 |

game (b)

| | L | M | R |
|-----|------|------|------|
| U | 1, 1 | 0, 0 | 0, 0 |
| S | 0, 0 | 2, 2 | 2, 2 |
| D | 0, 0 | 2, 2 | 3, 3 |

#2. Find all pure and mixed strategy Nash equilibria (if any) in the following games.

game (c)

| | C | D |
|-----|------|------|
| A | 1, 2 | 5, 6 |
| B | 7, 8 | 3, 4 |

game (d)

| | L | M | R |
|-----|------|------|------|
| U | 1, 1 | 0, 0 | 1, 5 |
| S | 2, 3 | 1, 2 | 3, 1 |
| D | 3, 2 | 0, 3 | 0, 2 |