

1. Exercise 4.1
2. Exercise 4.2
3. Exercise 4.3
4. [From the Section 4.2 Warmup exercises]: Change Cheetahs and Antelopes so that the cheetah I is dominant and cheetah II is submissive, so that if they both chase (and capture) the same antelope, cheetah I gets $2/3$ of the shared antelope, and cheetah II gets $1/3$ of the shared antelope. Find all Nash equilibria. For each Nash equilibrium, determine whether or not it is stable. (Your answer will depend on the relative values of s and ℓ .)