

1. [25 pts.] Do problem 7.5, page 223: write a two-variable linear program for Canine Products, graph it, find the feasible regions, and all its boundary vertices, circling the optimal one.
2. [25 pts.] Do problem 7.10, page 224: compute max flows. Please use the Ford Fulkerson method, showing each augmenting path that you generate, and the amount of flow it adds.
3. [25 pts.] Do problem 7.11, page 224: write the dual of the given linear program and find the optimal solutions to both primal and dual.
4. [25 pts.] Do problem 7.14, page 225: solve the Joey versus Tony Pizza game.