Optimization Assignment 3
Linear Programs and Applications

Kim Paolo Laberinto (7771083)

Winter 2021

Contents

1 Q1. Linear Programming Applied to Diet Optimizaton

2 Q2. Example of Conversion to Standard Form

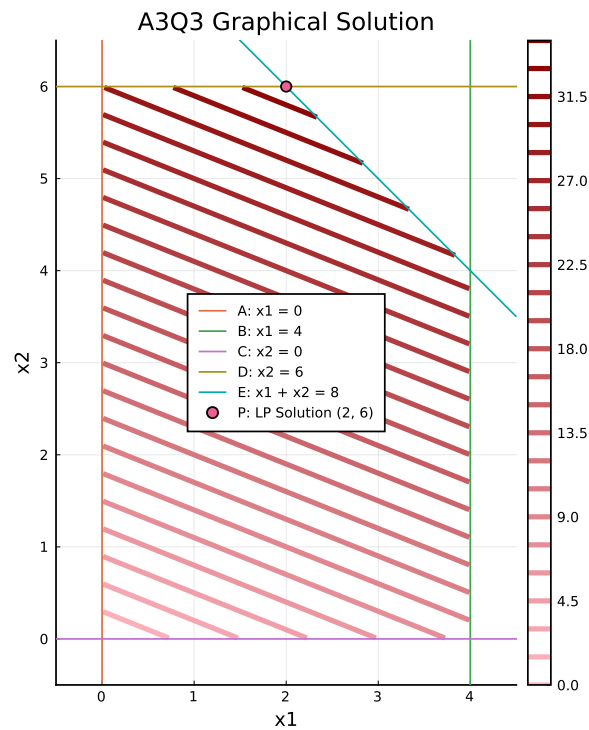# 3 Q3. Example of Graphically Solving a Linear Program

Figure 1: Graphical Solution to A3Q3 question, showing feasible region, objective contours, and solution.

4 Q4. Textbook Questions

4.1 12.9

4.2 12.15

4.3 12.21

4.4 12.22

A Source Code