MA 416
Homework #1
Due Wednesday, January 24

First, a reminder that on Wednesday and Friday, January 17 and 19, the class will meet in CB313. Professor Robert Molzon will give an introduction to solving linear programs using Microsoft Excel.

1. Answer questions 1–5 of the Petro Problem, justifying your answers. You can write your answers by hand, but strive for neatness and accuracy in your mathematics and graphs. If it helps, imagine that you are writing the solutions for the head of your operations research team who is familiar mathematical explanations.

2. Write a summary report on the Petro Problem, addressing it to a manager. Incorporate your answers to the above questions, but express yourself in a narrative style (correct spelling and grammar please!). Make your report as complete, but as concise, as possible. You do not need to provide the mathematical justification of your answers in this report. The report should be typed, single-spaced, and no more than one page long.