

Name:

MA 515 – Homework 11
Due Wed, Dec 3rd

Your answers should be detailed explanations written neatly in quality mathematical English.

Problems from J. Lee's book:

Page 95, Exercise (Shortcut)

Page 99, Exercise (Scheduling)

Page 106, Exercise (Intersection of Three Matroid Polytopes)

Extra Problem: We know that the max cardinality bipartite matching problem can be recast and solved as a matroid intersection problem. Interpret the matroid intersection algorithm in this context to describe the algorithm directly in terms of actions on the original bipartite graph.