



KTH Mathematics

5B5870 COMBINATORIAL OPTIMIZATION Spring 2007

Instructor: Anders Forsgren

Homework Assignment 2

Due Wednesday March 14 2007

Exercise 2.1 Solve Exercise 9.9 in *Combinatorial Optimization: Algorithms and Complexity*. (Page 215)

Exercise 2.2 Solve Exercise 9.11 in *Combinatorial Optimization: Algorithms and Complexity*. (Page 215)

Exercise 2.3 Solve Exercise 9.13 in *Combinatorial Optimization: Algorithms and Complexity*. (Page 215)

Exercise 2.4 Solve Exercise 10.12 in *Combinatorial Optimization: Algorithms and Complexity*. (An $O((\sum_{v \in V \cup U} b(v))^3)$ time algorithm will do in a.) (Page 245)

Good luck!