CS 561, Study Problems

Prof. Jared Saia, University of New Mexico

NOT for Turnin - Just for Review for Final

1. Problem 26-3 from our textbook (Algorithmic Consulting)

2. Exercise 1 from Lecture 23 of Jeff Erickson’s notes (http://web.engr.illinois.edu/jeffe/teaching/algorithms/)

3. Exercise 6 from Lecture 24 of Jeff Erickson’s notes

4. Exercise 8 from Lecture 24 of Jeff Erickson’s notes

5. Exercise 9 from Lecture 24 of Jeff Erickson’s notes

6. Problem 34-2 from our textbook. For this problem, it may be helpful to use the fact that SUBSET-SUM is NP-Hard. See Section 34.5.5 for a definition of SUBSET-SUM. (You only need to read the definition in this section, not the reduction that proves that SUBSET-SUM is NP-Hard)

7. Exercise 34-2 from textbook (Bonnie and Clyde)

8. Problem 34-4 from our textbook (Scheduling with Profits and Deadlines)