

Homework 3  
CMSC 641  
Analysis of Algorithms  
Spring Semester 2003

## 1 Course Text

Cormen, Thomas H., Charles E. Leiserson, and Ronald L. Rivest,  
“Introduction to Algorithms,” MIT Press, 2nd edition.

## 2 Reading Assignment

Read Chapters 16-17 of text.

## 3 Homework Assignment

- Page 378, Exercise 16.1-2
- Page 379, Exercise 16.1-3
- Page 384, Exercise 16.2-2
- Page 392, Exercise 16.3-2
- Page 392, Exercise 16.3-5

## 4 Scoring Method

- Each of the above exercises is worth 20%

**Remark 1** *The highest possible score on this homework is 100%. All homework scores are to be rounded to the nearest integer percentage.*