
HOMEWORK PROBLEM SET 5

CS 473UG – SPRING 2006

ASSIGNED ON: FEBRUARY 28, 2006

DUE ON: MARCH 7, 2006

Instructions: Solve these problems in groups of size at most 3. Solution to each problem must be on a separate sheet; this assists us greatly in grading the problems.

Recommended Reading: Chapter 6 of the textbook and lecture notes on the web.

Solve problems 6.15, and 6.24 from the class textbook. Read problem 6.19 from the textbook and solve the following parts:

- (a) Present an $O(n^2)$ algorithm to solve problem 6.19
- (b) If the length of x and y is bounded by a constant k , give an algorithm that runs in $O(n)$ time to solve problem 6.19