CSE 6331, Fall, 2012 Prof. T. K. Dey Office : 483 Dreese Lab

CSE6331 Homework 1 Due Tuesday, Sep 04

- 1. Page 73-74 : 4-4 (a,d and f) (1st edition). Page 86 : 4-4 (a,g,j) (2nd edition) Page 108 : 4-3 (a,g,j) (3rd edition)
- 2. Determine the asymptotic complexity of the following functions (Do not use Master Theorem), assuming c > 0. If n ≤ 4 then T(n) = 1, otherwise
 (a) T(n) = 2T(n/2) + cn²
 (b) T(n) = 5T(n/2) + cn²
- 3. Page 152: 7-1 (1st edition), page 142: 6-1 (2nd edition), page 166: 6-1 (3rd edition)

(The grader will only grade a subset of these problems.)