
CSC 284/484 Advanced Algorithms - homework 3

- EXAM 2 (Thursday, March 3rd) will contain some problems listed below (plus some problems for the geometric algorithms part).
- Do solve the problems but do NOT turn your solutions in (we will use a problem session (held every Tuesday 5pm-6pm) as a feedback mechanism).
- IMPORTANT: print this sheet, write your name on it, mark the problems you solved, and hand me the sheet before EXAM 2.

Background material (most of this material is covered in CSC 282; it is needed for some topics covered in CSC 484):

CLRS exercises: 22.1-1, 22.1-3, 22.1-4, 22.1-5, 22.1-6, 22.2-4, 22.2-6, 22.2-8,

22.4-1, 22.4-3, 22.4-4, 22.4-5.

Main Topic (graph algorithms):

CLRS exercises: 26.1-1, 26.1-2, 26.1-3, 26.1-4, 26.1-6, 26.1-7, 26.2-10, 26.2-11, 26.2-12, 26.2-13.

CLRS problems: 26-1, 26-2, 26-3, 26-4, 26-5.

Kleinberg-Tardos exercises (Chap 7): 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21,

22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39.