CS3933 Assignment 8
Summer 2008

Due: Thursday, July 12, in class or by 10:00am in the box on E-level. Please try the questions before Tuesday, and ask questions then if you want to.

- Read the first half or so of chapter 6, say up to section 6.6. I am not yet sure which sections we will cover, because there are so many problems in the text.

- One more question on Divide-and-Conquer. Do question 6 on page 248. This may look like a rather abstract, not useful, problem, and it is abstract. Yet it is a typical type of problem that comes up in solving practical optimization problems. The tree may be virtual, not even existing in the computer, in which the nodes are possible states in some search space. The values labelling the nodes may only be calculable using a slow complicated simulation of some kind, so you want to calculate as few labels as possible. However, because the function being optimized satisfies some nice properties, like convexity, a local minimum is known to be the global minimum.

- Do question 1 from chapter 6, on page 312. Two questions are enuf for this week. I want you to get this question, so that you get to understand Dynamic Programming.