Assignment 8

Out: Monday, 05 April 2004
Due: Monday, 12 April 2004

Total: 75

Exercise 1 (individual assignment) (40 points) Please do Exercise 8.1 on page 184 in the textbook.

Exercise 2 (individual assignment) (10 points) Please do Exercise 8.2 on page 185 in the textbook.

Exercise 3 (group assignment) (25 points) Please implement a package for translating a Tree into canonical form. You need to implement all the functions in the following signature CANON:

signature CANON =
  sig
    val linearize: Tree.stm -> Tree.stm list
    val basicBlocks: Tree.stm list -> (Tree.stm list list * Temp.label)
    val traceSchedule: Tree.stm list list * Temp.label -> Tree.stm list
  end