Assignment 2 (given by Zoran Obradovic)

Due: February 15 in class.

Problem 1:
Solve problem 4.1 in the textbook (page 124)

Problem 2:
Solve problem 4.4 in the textbook (page 124)

Problem 3:
Solve problem 4.5 in the textbook (page 124)

Problem 4:
Use feedforward neural networks to solve the Pima Indians Diabetes Database problem from homework 1 (again, in 5 cross-validation experiments).

(a) Compare accuracy obtained when using discretized attributes vs. using real-valued data.

(b) Compare training and test accuracy when using zero hidden nodes vs. 2, 4 and 8 hidden nodes.

Note: Solutions are expected to be your own work (no group work is allowed). Penalty for late homework submissions will be zero points on the assignment (so, do it on time).