Analysis of Algorithms: Assignment 3

Due date: January 25 (Thursday)

Problem 1

Write pseudocode for the Merge(A, p, q, r) procedure.

Problem 2

Write an algorithm that combines Insertion-Sort and Merge-Sort. It should use Insertion-Sort for small segments of the array, and recursively merge sorted segments. A segment A[p..r] is "small" if its length is no larger than some fixed value k, that is, r-p < k.