Winter ’14 CIS 314 Assignment 4 – 120/100 points – Due Wednesday, 3/5, 11:59 PM

This assignment will involve solving problems and writing pseudocode related to optimizing program performance. For ease of submission, please submit a .zip file containing a single solution document for non-coding exercises (.txt, .doc, or .pdf) and individual source files for coding exercises (see naming conventions below). Your code and answers need to be documented to the point that the graders can understand your thought process. Problems will be graded based on work shown, not your final answer; full credit will not be awarded if no work is shown!

1. [40] B&O’H 5.15. Write your answers in your solutions document.

2. [20] B&O’H 5.16a. Write pseudocode for the unrolled loop and an answer for part A in your solutions document (you do not need to answer part B).


5. [+20] (20 points extra credit). Write a Y86 program to perform selection sort on an array of 10 integers. Your program should begin with 10 unsorted integers in memory and end with those 10 integers sorted. Name your source file select.ys.

Upload .zip file to Blackboard (see Course Documents section for submission link).