

CSCE 3110 Fall 2006 ASSIGNMENT 1

Instructor: Dr. Xiaohui Yuan

Due: September 5, 2006

Write a program to find the maximum subsequence sum of a set of numbers

Maximum subsequence sum problem

Given integers A_1, A_2, \dots, A_N , (A_i can be positive or negative) find the maximum value

of $\sum_{k=i}^j A_k$

1. The test set of integers has to be **-2 11 -4 13 -5 -2**
2. This set of numbers is saved in an ASCII file (e.g. data.txt) and the program prompt user to enter the file name and read the numbers to the memory.
3. The program output the result to the screen.
4. The program saves the result to a file (e.g. output.txt). This file includes the output displayed on the screen and the time this program takes to complete.

Delivery:

1. Source code that can be successfully compiled.
2. Script that contains your compiling and test records.