

CIS 227 – Exercise 1

Purpose: The goal of this exercise is to become familiar with the programming environment and the basics of writing, assembling, and debugging assembler language programs and binary arithmetic instructions.

Specifications: Write a program that calculates the volumes of 2 boxes each with their own given length, height, and width. Then calculate the average of the 2 volumes.

- The 2 volumes and their average (ignore any remainder) should each be stored as separate results.
- You may assume each result can be represented in a full word.
- Attention should be given to the efficiency of the program.
- The program should be neat and readable with attention to identifiers, whitespace, and column alignment.
- The program should be well commented.
- There should be a header comment that states the name of the program, a brief description, the name of the author, and the status of the program. Status is either “Working” or “Not Working” and if is not working you must specify what works and what does not according to the specifications.

Submission: Attach your source file to this dropbox. Repeat your status in the comment area. Click submit. Breathe.