



CSE341: Microprocessors
Department of Computer Science and Engineering

Assignment 01

Task 01

Swap two numbers using **ADD/SUB** instructions only.

Task 02

If A, B, C and D are 4 byte sized non zero variables, perform the given mathematical operation

$$\mathbf{D = A - (C - A) + D}$$

Task 03

If W, X, Y and Z are 4 byte sized non zero variables, then perform the given mathematical operation

$$\mathbf{X = (X * Z) / (Y * W) / (Z * X)}$$

Task 04

Perform the following arithmetic operation: $(5 * 2) + (4 - 0) + (5 + 3 + 2) - (6 / 2)$