Name: Colin Bradford
Date: Jan 16, 2014

Milestone Report

Handwritten Answers to Milestone Questions:

3. 10.0 + 7.0 - 3.0 * 5.0 / 12.0 = 15.75

4. 10.0e0 + 7.0e0 - 3.0e0 * 5.0e0 / 12.0e0 = 15.75

Specification (what do <u>you</u> think the purpose of this milestone is)

The main objective of this milestone is to familiarize students with gforth and post order traversal (i.e. how postfix languages read/perform operation order). In addition, this milestone serves to introduce the process of completing a milestone and its components.

Processing (how did <u>you</u> go about solving the problem)

I found a helpful gforth tutorial online that was easy to follow and had a lot of pertinent information. Problems 3-5 all depended on order of operations, and the actual order performed depends on the language implemented in. Considering the other problems seem to be written in C or something similar I tested problems 3-5 by implementing them in C and viewing their output.

Testing Requirement (how did <u>you</u> test for correctness)

I created a simple assert “function” that took two arguments and output a simple assertion error message if both arguments were not equal.

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Retrospective (what did <u>you</u> learn in this milestone)

I learned the basics of gforth: order of operations, variable declaration and manipulation, printing, the stack, the floating point stack, number conversion, strings, etcetera. I also learned the layout of milestones, its components, and its requirements.