COSC 251
Extra Special Extra Credit Final Substitute Opportunity
Spring 2019

For this final substitute, your task will be to solve problems with the three primary languages we talked about in the class (C++, Python, LISP). Each problem is worth 1 extra credit point, added to your average, and you may only solve one problem per language (for a maximum of 3 extra credit points from this opportunity). This means you can successfully solve one problem in C++, one problem in Python, and ignore LISP and its existence for 2 extra credit points, or do all three and get 3 points. You must do distinct problems (no double dipping on the algorithmic design!) for each of the three languages.

Problems: you will be choosing problems from the 2019 ACM International Collegiate Programming Competition. This file is linked on the course website.

Code requirements: The C++ source must be tested on the g++ compiler on Prometheus. The Python source must be tested on the python3 installation on Prometheus. The LISP source must work in ReadyLisp or LispBox.

Comment requirements: you should have the standard header and clearly identify in the comments which problem the source solves.

Rubric: does it solve the problem? 1 extra credit point. Does it solve at least some of the test cases? 0.5 extra credit points. Does it have hard coded answers or otherwise not actually do solving? 0 points. If you have the (functionally) exact same source as another student? 0 points.

NOTE: this is designed to be like a final so no assistance, other than clarifications in regard to this document, will be available. Good luck!

Due: 4/26 at 5pm, no exceptions or extensions and you may not use slip days on this extra credit. Send your source code to your professor via email.