

Homework 5

Due: 7 November 2017

Problem 5.1

For each of the following structures, give an expression that would make a reasonable hashing function:

- a. A struct/class containing an integer **first** in the range $[0,5)$, another integer **second** in the range $[-3, 3]$, and a single character **letter** that is an uppercase letter.
- b. A struct/class containing a string **word** that is a lowercase word in English and an integer **n** in the range $[0, 1000)$
- c. A struct/class containing three characters **a**, **b**, and **c**, all of which are punctuation marks.

Collaboration policy: group work! If you work with other people on this homework, you can just hand in one copy and put all your names on top. There will be a revision cycle for this.