COMP20003 Algorithms and Data Structures

Worksheet 6
[week starting 29 of August]
Second (Spring) Semester 2016

Overview

The workshop for Week 6 will start with a tutorial on Hash Functions/Tables.

Tutorial Questions

Question 5.1 You are given a hash table of size 13 and a hash function `hash(key) = key % 13`

Insert the following keys in the table, one-by-one, using linear probing for collision resolution.

Keys to insert: 14, 30, 17, 55, 31, 29, 16

Now insert the same keys into an (initially empty) table of the same size, using double hashing for collision resolution, with `hash2(key) = (key % 5) + 1`

Programming exercises

Programming 5.1 Use the laboratory time to work on Assignment 1 with a tutor present to help.

August 27, 2016