WIA2005 Algorithm Design & Analysis
Semester 2, 2016/17
Tutorial 8

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1. Demonstrate what happens when we insert the keys 19, 26, 13, 47, 17 into a hash table with the following stategy. Let the table have 7 slots, and let the hash function be h(k) = k mod 7.
    a. Chaining
    b. Open addressing with linear probing
    c. Open addressing with quadratic probing
    d. Open addressing with double hashing with second hash function h(k) = 5 - (k mod 5)

2. Which hash table is more appropriate when the load factor of the hash table is high?

3. What is a cryptographic hash function? Give 3 examples of cryptographic hash function and its brief introduction.

4. What is the different between hash table and hash map?