# CS161 - Optional Homework - Hashing

This homework is optional and will not be graded, but can give you some more practice with some of the hashing material.

1. CLRS 11.2-2 (pg. 229)

2. CLRS 11.3-1 (pg. 236)

3. CLRS 11.4-1 (pg. 244)

4. CLRS 11.4-2 (pg. 244)

5. Let $n = 1000$ be the number of items I plan on inserting into a hash table. I want the average number of accesses in a successful search to be about 2.0.

    (a) About how big should the array be if I use open addressing with linear probing?

    (b) About how big should the array be if I use chained hashing?