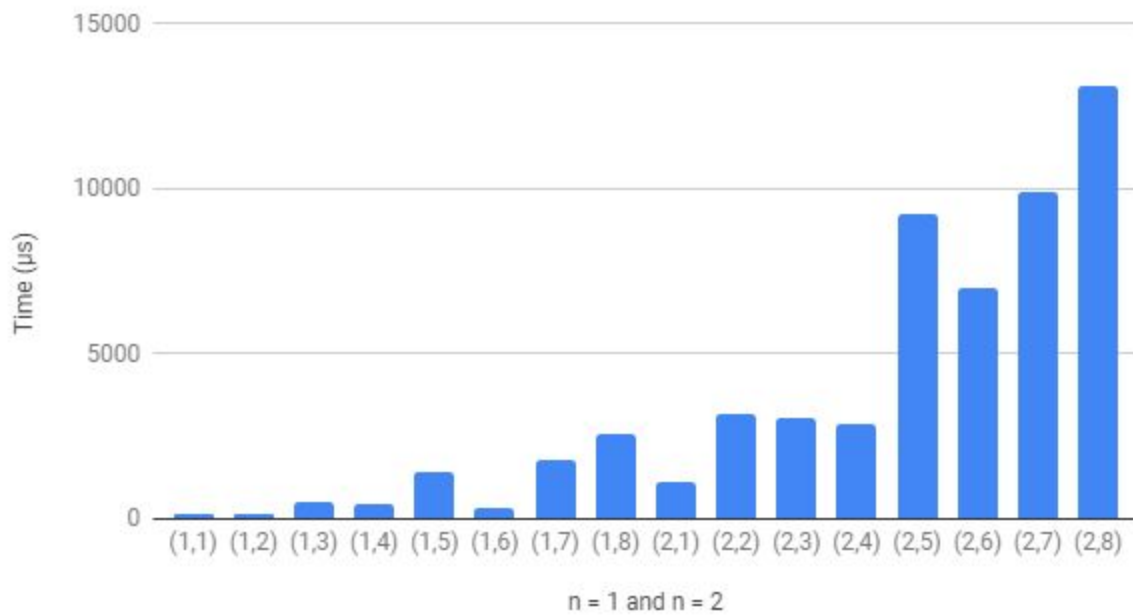# Analysis

Andrew Schmid
Dr. Ahmed
CSCE 313-509
09.15.2018

Bottlenecks / Improvements
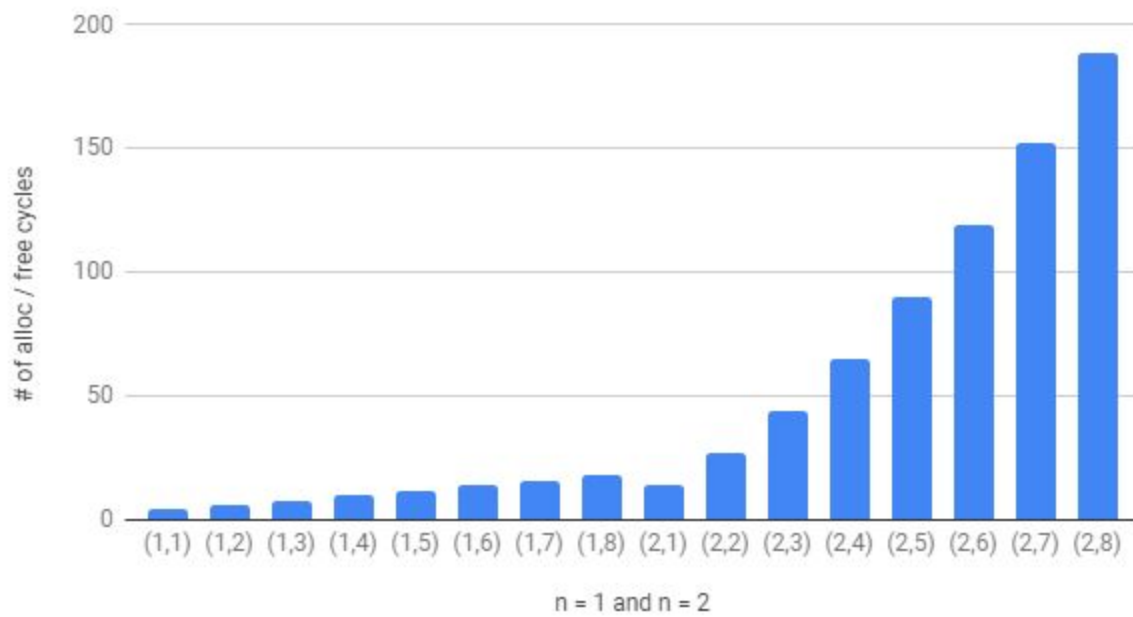
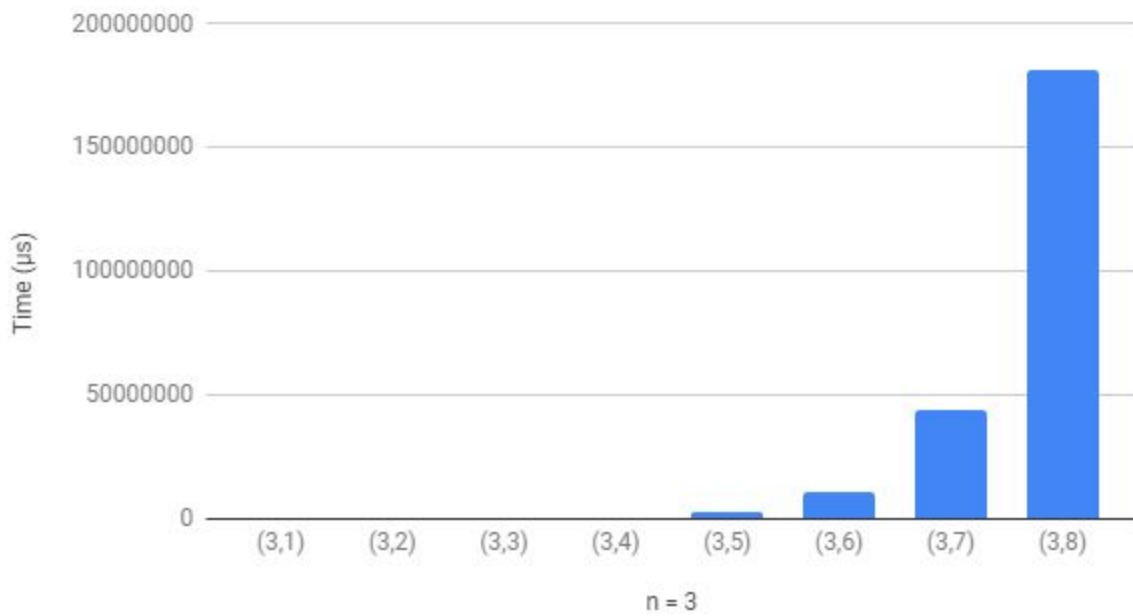| Bottleneck	Improvement
Adding and removing from freeList	Using a dictionary with the size as the key and the list as the value
Storing the size in BlockHeader	Storing the 2's power instead of the full number

Graphs

Time (μs) vs. n = 1 and n = 2

of alloc / free cycles vs. n = 1 and n = 2

Time (µs) vs. n = 3

of alloc / free cycles vs. n = 3