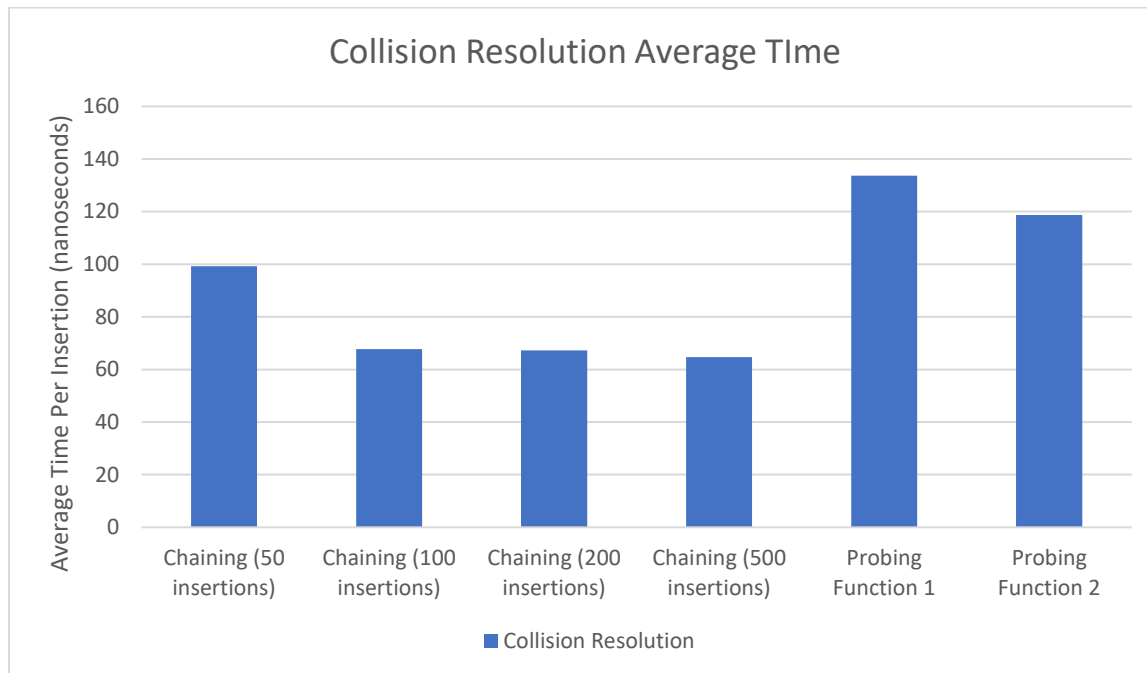Problem Set 3

Collision Resolution Average TIme

Times (Average):

Chaining (50 insertions) – 99 nanoseconds

Chaining (100 insertions) – 67 nanoseconds

Chaining (200 insertions) – 67 nanoseconds

Chaining (500 insertions) – 64 nanoseconds

Probing Function 1 (100 insertions) – 133 nanoseconds

Probing Function 2 (100 insertions) – 118 nanoseconds

I have observed that the average insertion times when using chaining as a solution for collision in hash tables is faster than using probing functions, which on average took more than 60 nanoseconds compared to using chaining.