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HomeWork 5

Start of Report

A screenshot of a cell phone

Description automatically generated

Above is a pic of the main function.

A screenshot of a cell phone

Description automatically generated

Above are the hash functions with their typical time complexities in Big-O.

A screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generatedA screenshot of a cell phone

Description automatically generatedA screenshot of a computer

Description automatically generated

The above 4 images is the ChainedHashTable class with their typical time complexities.

A screen shot of a smart phone

Description automatically generated

Above are the test functions with their typical time complexities.

A screenshot of a cell phone

Description automatically generated

Above is the measure and testHasher functions.

A screenshot of a cell phone

Description automatically generated

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A screenshot of a cell phone

Description automatically generated

A screen shot of a computer

Description automatically generated

Above is the code ran with valgrind and all of its output using 3 different hash functions.

A screenshot of a cell phone

Description automatically generated

A screenshot of a computer

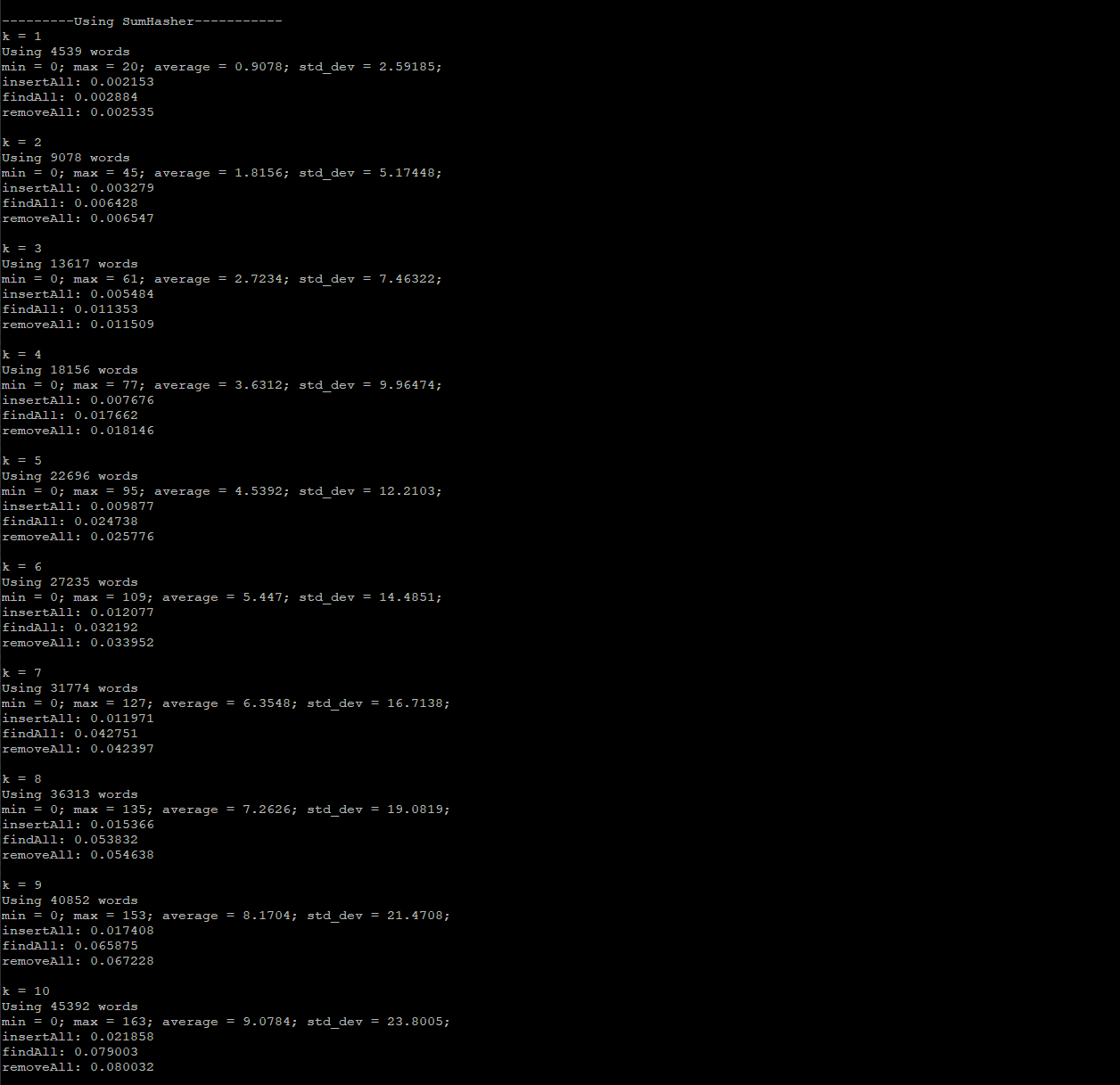
Description automatically generated

A screenshot of a cell phone

Description automatically generated

A screenshot of a cell phone

Description automatically generated



A close up of a logo

Description automatically generated

Above is the code ran with the random.txt and words.txt text files using the 3 different hash functions, no valgrind.

A close up of text on a white background

Description automatically generated

Here is my data of each time the functions took using different N of inputs.

End of Report