**Computer Architecture Final Project**

Matthew Wismer, Orion Taylor, Andre Chang, Joseph Gibson. 12/10/12

**Introduction**

We proposed to investigate the sorting algorithms and implement them in assembly and in Verilog.

**Sorting Algorithm**

**Radix**

Radix sort is a fast sorting algorithm, which sorts numbers by sorting each digit of the numbers. There are different types of radix sorts, with different radices and with different order of sorting. The least significant digit with decimal radix is a fast, stable and easy to understand.

**Selection**

**Bubble**

**Quick**

**Results**

**Conclusion**