CSC190 Notes

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1 Introduction and Course Information

2 Efficiency and Complexity

There are two things that effect efficiency of a computer algorithm.

- Space Complexity = cost in terms of memory

- Time Complexity = cost in terms of steps

3 Ideal vs. Real Computers

Ideal	Real
Automaton + Workbook	Microprocessor + Memory
Mathematical Algorithms	Programs (Sea of Functions)
Abstract Data Types	Data Structure