2XB3 Lab3

Yi Luo
400254211
luoy94@mcmaster.ca
L02

Frank Yang
400243777
yangf51@mcmaster.ca
L02

Harrison Chiu
400261400
chiuh@mcmaster.ca
L02

February 1, 2021

Abstract

This paper analyzes different time complexities of quicksort. Specifically it looks into the time complexities of various quicksort implementations, including multiple pivots, different pivots, small lists, and worst case performance.

Quicksort Inplace

Quicksort Multi-pivot

Worst case

Small lists