

CS 311 Data Structures and Algorithms, Fall 2009
Quiz 5 Solutions

Quiz 5 was given in class on Wednesday, October 14, 2009.

1. [1.5 pts] Rewrite in words: $O(n \log n)$ time.

Log-linear time.

2. [1.5 pts] Rewrite using big- O : quadratic time.

$O(n^2)$.

3. [2 pts] What is the order of the Quicksort algorithm? *Answer only what was asked!*

$O(n^2)$.

Note: The average-case time of Quicksort is $O(n \log n)$. However, that is not what was asked.