

Quiz 6 Solutions

Quiz 6 was given in class on Friday, October 16, 2009.

1. [5 pts total] In each part, give the order of the named algorithm. Use big- O .

1a. [1 pt] Sequential Search.

$O(n)$.

1b. [1 pt] Binary Search.

$O(\log n)$.

1c. [1 pt] Insertion Sort.

$O(n^2)$.

1d. [1 pt] Merge Sort.

$O(n \log n)$.

1e. [1 pt] Quicksort.

$O(n^2)$.