Data Structure Assignment 10

Paper Homework

(a) Show that quickSort takes $O(n^2)$ time when the input list is already in sorted order.

(b) Show that the worst-case time complexity of quickSort is $O(n^2)$.

General Information:

- Deadline：2018/1/10 (Please submit to TA after class)

- Late homework will not be accepted.

- Please write in A4 papers.

- Notice：You won't get any point if you only write the answer, please list your process and reason.

- Any copies will be scored as zero. Do not plagiarize