Assignment 2

Problem : Making A Faster Quick-Sort.

Is it possible to make a faster quick sort? Better than BigOh(nlogn)? OR reducing the worst case time of BigOh(n^2 )?

Q.1 Will change in pivot selection strategy change running times (Worst, Average, Best) of quick sort?

Q.2 How does change in pivot selection strategy effect running time?

Q.3 Show at least two different versions of Quick Sort and do its cost analysis. Also write what are the input conditions where Worst Case cost may get reduced.

Solution : 