



### Question - 1

#### Quick Sort Implementation

SCORE: 40 points

Please implement the partition method for QuickSort, and the follow the **partitioning scheme** that **the pivot is chosen always as the last element** of the List.

### Question - 2

#### Dijkstra's Two Stack

SCORE: 20 points

Your task is to implement the push and pop methods for a stack to be used to solve the Dijkstra Two-Stack algorithm.

Helper methods are available to help you out there!

**Sample Input:**

( 2 + 2 )

**Sample Output:**

4.0