Algorithm for traditional quicksort:

Quicksort: input (array, left, right)

Output: sorted array

If left < right
PartitionPoint = Parition()
Quicksort(array, left, partitionPoint-1)
Quicksort(array, partitionPoin+1t, right)</pre>

Algorithm for modified quicksort:

Quicksort: input (array, left, right)

Output: sorted array

If left < right and right - left + 1 > 10 PartitionPoint = Parition() Quicksort(array, left, partitionPoint-1) Quicksort(array, partitionPoint+1, right)

Else if right - left + 1 < 10 array [left:right+1] = insertion sort(array[left:right+1]