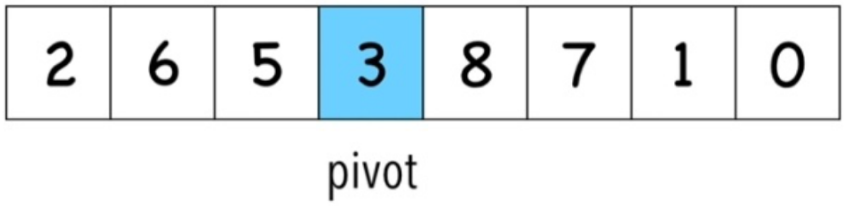
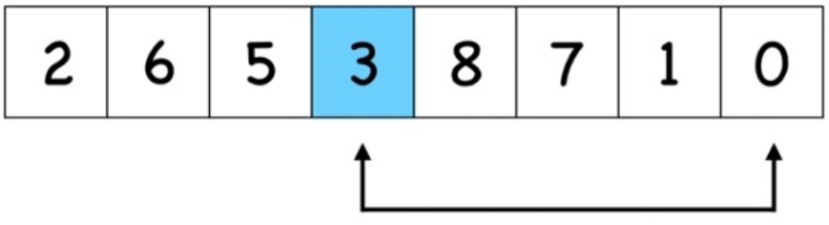
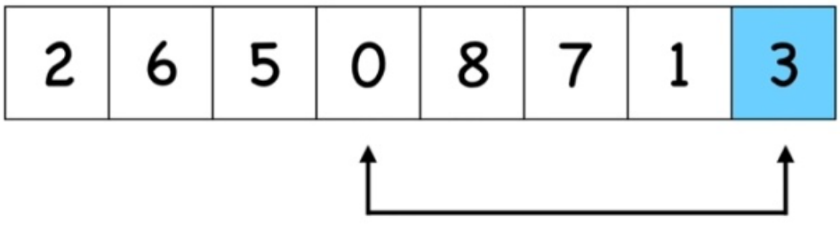
# QUICKSORT

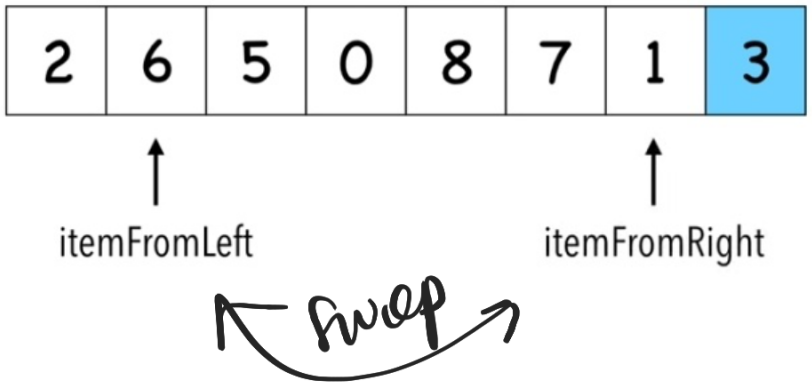


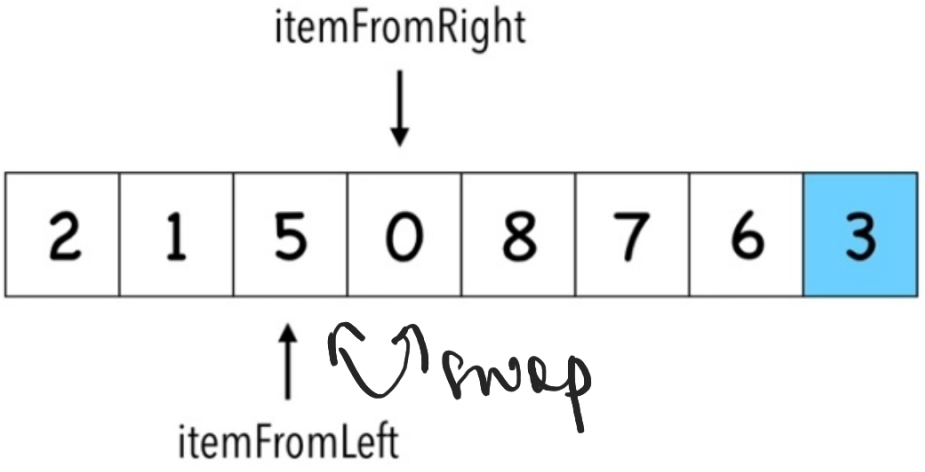



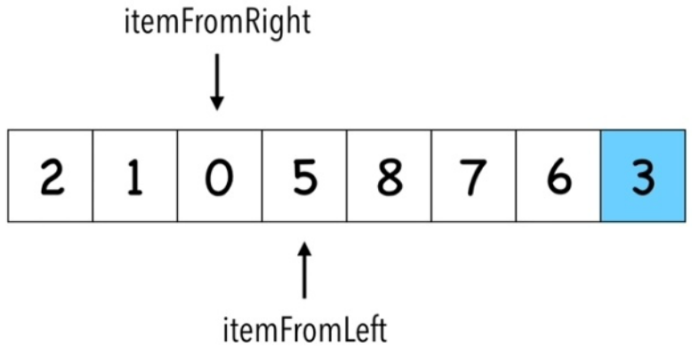




1. itemFromLeft that is larger than pivot

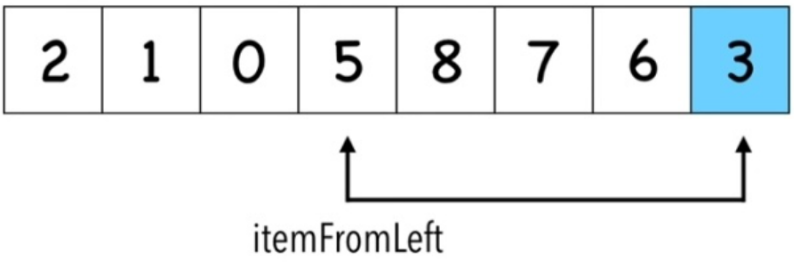
2. itemFromRight that is smaller than pivot



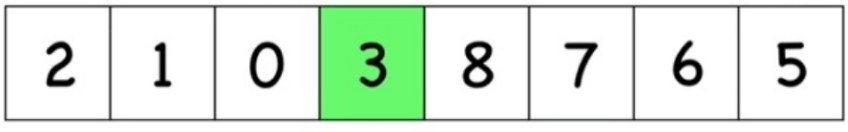




Stop when index of itemFromLeft > index of itemFromRight




Swap itemFromLeft and pivot

1. Correct position in final, sorted array
2. Items to the left are smaller
3. Items to the right are larger




and recursive