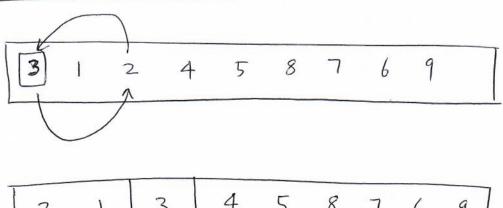
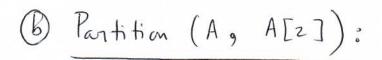
Prob. 1

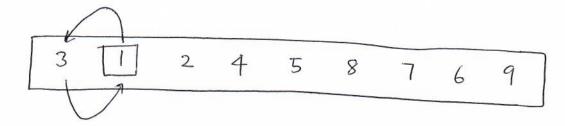
$$A = \{3, 1, 2, 4, 5, 8, 7, 6, 9\}$$

A pivot p is such that all A[i] < p are to the k left of p and all A[i] > p are to the right of p, when some permutation of A.

@ Partition (A, A[1]):

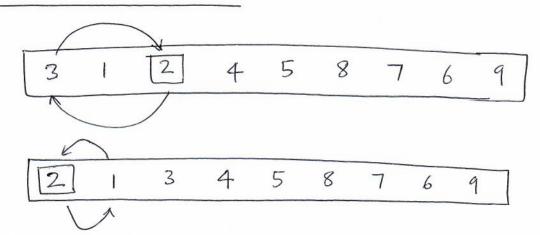






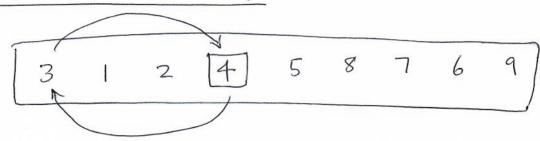
1 3 2 4 5 8 7 6 9

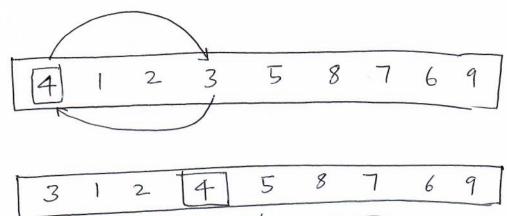
@ Partition (A, A[3]):



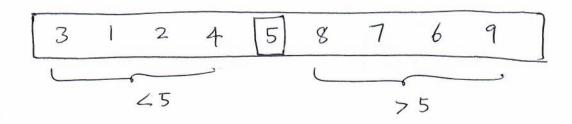
1 2 3 4 5 8 7 6 9

a Partition (A, A[47):

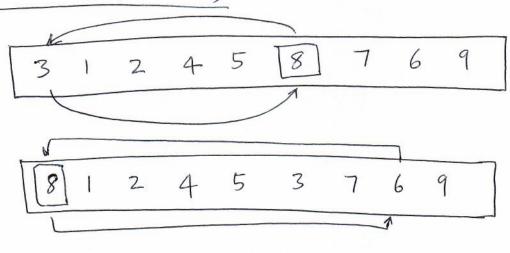


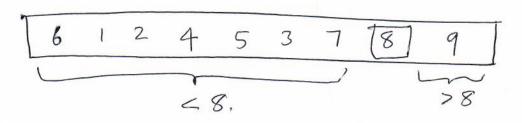


@ Partition (A, A[5]):

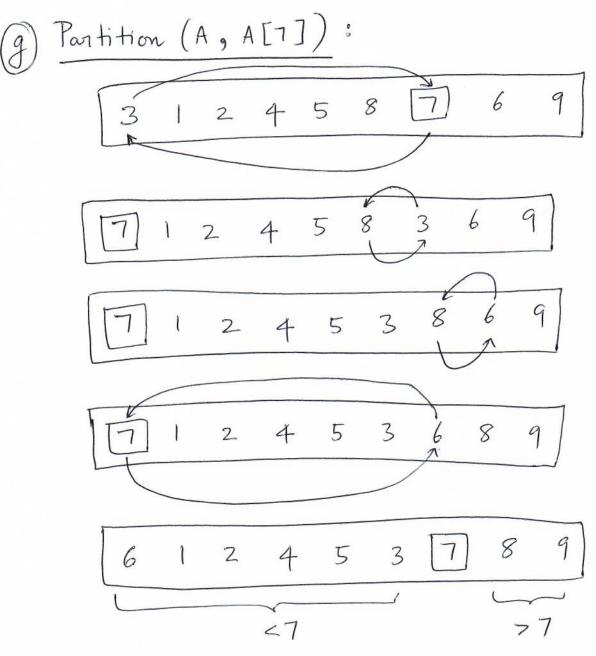


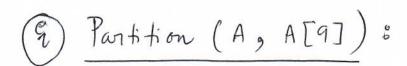
Partition (A, A[6]):



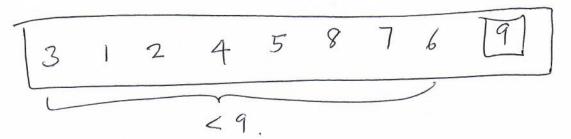












in A 18 a potential ploot in Quick Sort (A).

Probs. 2 and 3)

Programming exercises.