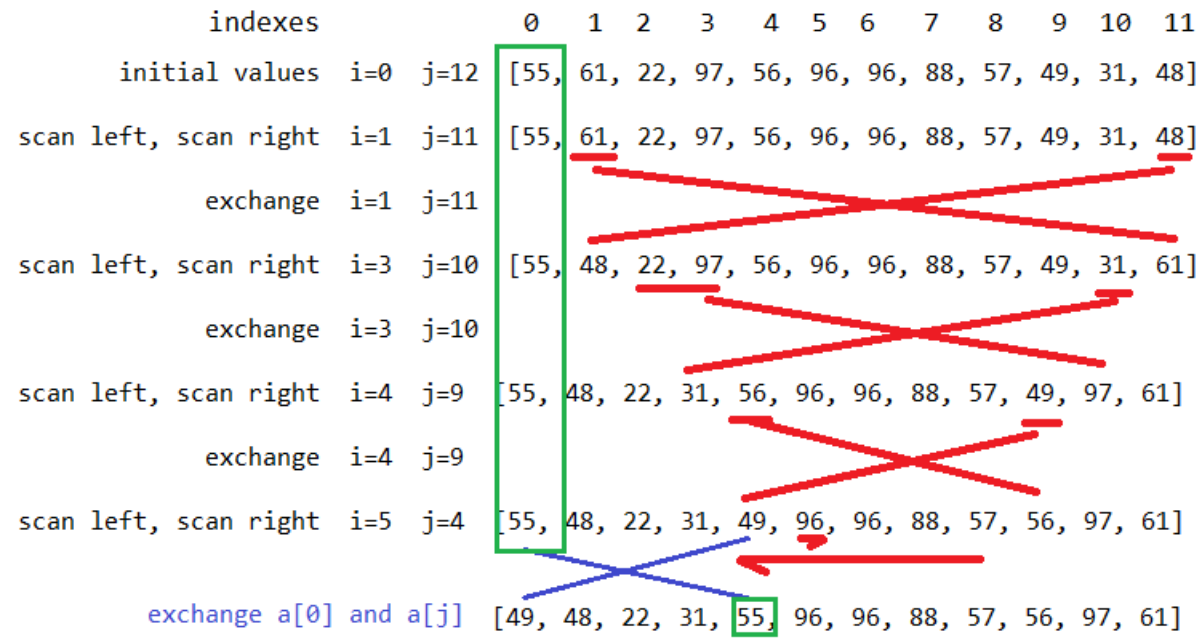
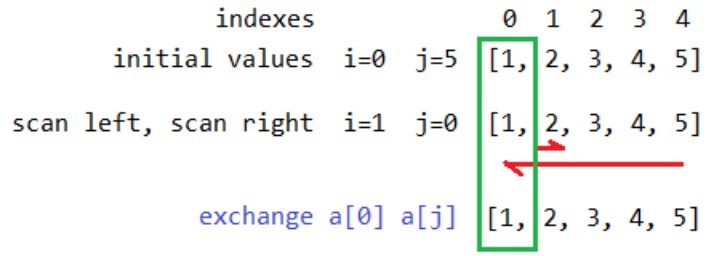
1. Show how the arrays are partitioned with a[0] as the pivot
    1. a: [55, 61, 22, 97, 56, 96, 96, 88, 57, 49, 31, 48]
    2. a: [1, 2, 3, 4, 5]
    3. a: [5, 4, 3, 2, 1]
    4. a: [5, 5, 5, 5, 5]

Answer:

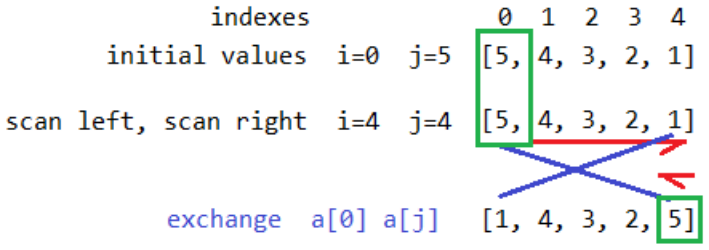
1.1



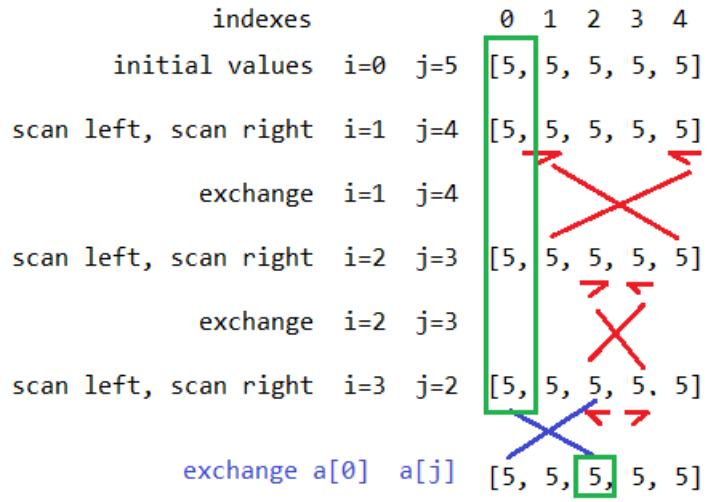
1.2



1.3



1.4



2. Trace Quick Sort with the given input arrays

1. a: [1, 2, 3, 4, 5]
2. a: [5, 4, 3, 2, 1]
3. a: [5, 5, 5, 5, 5]

Answer: