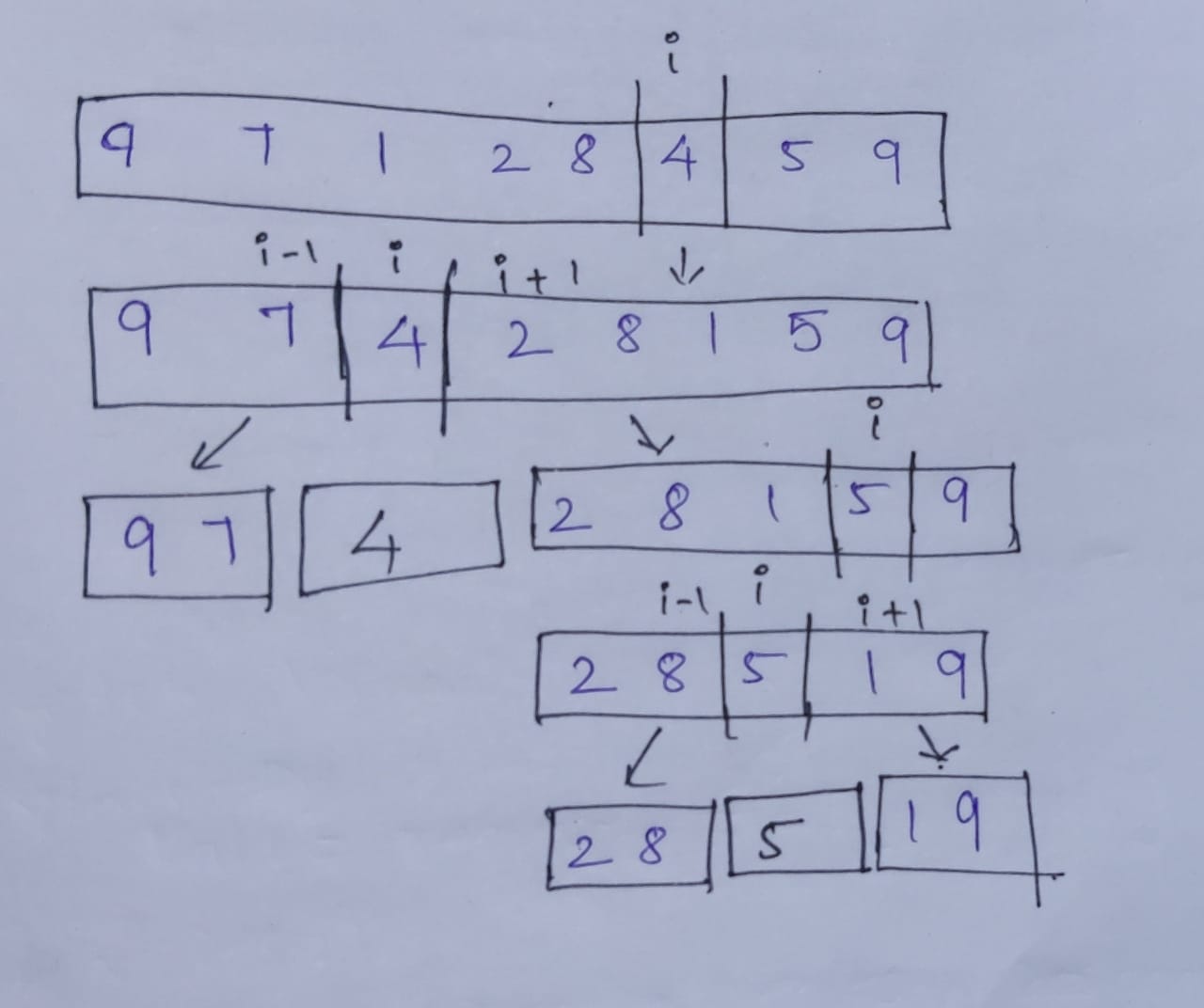
**Quick Sort**

1. Pick one number n
2. Place that in its position
3. All number less that n should be in left
4. Others should be on right
5. Then do quick sort from step i to iv on both right and left side separately
6. Do it until length is 0 or 1

**Code explanation:**

1. **Quick sort fn:**
2. Base case -> start>=end which means l =0 or l=1
3. Partition array fun
4. Call quick sort on (arr,s,i-1)
5. Call quick sort on (arr,i+1,i)
6. **Partition fn:**
7. Take one number n
8. Check full arr length
9. Place it in its position by counting elements which are lesser than that. E.g.: if there are 5 number less than that then need to place the element in a[5]. Like swapping a[n],a[5] == a[5],a[n]
10. Iterate a loop and check if i is less than n. elif check j is greater than n else swap j and i

**Example:**



1. Take 4 as pivot number(i)
2. Check full length and count=2 the numbers that is less that i
3. Place i in its position by swapping a[2],a[5] = a[i],a[5]
4. Iterate a loop and check if i is less than n. elif check j is greater than n else swap j and i
5. And do vice versa