排序

```javascript
function quickSort(arr){
  quickSortSelf(arr,0,arr.length - 1)
}

function quickSortSelf(arr,l,r) {
 if (l >= r) {
   return
 }

 let p = particition(arr,l,r)
 quickSortSelf(arr,l,p - 1)
 quickSortSelf(arr,p+1,r)

}

function particition(arr,l,r) {
  let v = arr[l]
  let j = l
  for(let i = l + 1; i<=r; i++) {
    if(arr[j] < arr[i]) {
     let result = swap(arr[j],arr[i])
     arr[j] = result[0]
     arr[i] = result[1]
     j++
    }
  }
  let result = swap(v,arr[j])
  v = result[0]
  arr[j] = result[1]
  return j
}
// 交换2个数
function swap(a,b) {
  let c = a
  a = b;
  b = c
  return [a,b]
}

let arr = [3,5,2,9,10,20,7]
quickSort(arr)
console.log(arr);
```