LeetCode Problems

Maximum Possible Number By Binary Concatenation  
class Solution {

public int maxGoodNumber(int[] nums) {

List<int[]> permutations = new ArrayList<>();

permute(nums,0,permutations);

int maxv = Integer.MIN\_VALUE;

for(int[] perm : permutations){

StringBuilder bin = new StringBuilder();

for(int num : perm){

bin.append(Integer.toBinaryString(num));

}

int deci = Integer.parseInt(bin.toString(),2);

maxv = Math.max(maxv,deci);

}

return maxv;

}

private void permute(int[] nums,int start,List<int[]> result){

if(start == nums.length){

result.add(nums.clone());

}else{

for(int i=start;i<nums.length;i++) {

swap(nums,start,i);

permute(nums,start+1,result);

swap(nums,start,i);

}

}

}

private void swap(int[] nums,int i,int j){

int temp = nums[i];

nums[i] = nums[j];

nums[j] = temp;

}

}