class Solution:

def permuteUnique(self, nums: List[int]) -> List[List[int]]:

permutations = []

counter = Counter(nums)

def findAllPermutations(res):

if len(res) == len(nums):

permutations.append(res)

return

for key in counter:

if counter[key]:

counter[key]-=1 # decrement visited key

findAllPermutations(res + [key])

counter[key]+=1 # restore the state of visited key to find the next path

findAllPermutations([])

return permutations