# 46. Permutations

## SOLUTION IN PYTHON3

class Solution:

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

ans = []

used = [False] \* len(nums)

def dfs(path: List[int]) -> None:

if len(path) == len(nums):

ans.append(path.copy())

return

for i, num in enumerate(nums):

if used[i]:

continue

used[i] = True

path.append(num)

dfs(path)

path.pop()

used[i] = False

dfs([])

return ans