class Solution:

def combinationSum(self, candidates: List[int], target: int) -> List[List[int]]:

def backtrack(remaining, combination, start):

if remaining == 0:

result.append(list(combination))

return

if remaining < 0:

return

for i in range(start, len(candidates)):

combination.append(candidates[i])

backtrack(remaining - candidates[i], combination, i)

combination.pop()

result = []

backtrack(target, [], 0)

return result