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113.SUBSET SUM PROBLEM
PROGRAM:-
def is subset sum(arr, n, target):
  if target == 0:
    return True
  if n == 0 and target != 0:
    return False
  if arr[n-1] > target:
    return is subset sum(arr, n-1, target)
  return is subset sum(arr, n-1, target) or is subset sum(arr, n-1, target-arr[n-
1])
arr = [3, 34, 4, 12, 5, 2]
target = 9
n = len(arr)
if is subset sum(arr, n, target) == True:
  print("Found a subset with the given sum")
else:
  print("No subset with the given sum")
OUTPUT:-
 Found a subset with the given sum
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=== Code Execution Successful ===

TIME COMPLEXITY:-O(2ⁿ)