1. **Sum Of Subset Problem:** Given a set of non-negative integers, and a value sum, determine if there is a subset of the given set with a sum equal to the given sum value.
   Input: {3, 34, 4, 12, 5, 2}, sum = 9
   Output: True
   Explanation: There is a subset (4,5) with the sum as 9
   Hint: The brute force approach is not acceptable, try to give me an optimized solution using dynamic programming, refer 0-1 knapsack solution discussed in the live session to approach the solution of this problem.

2. **Matrix Chain Multiplication:** If a chain of the matrix is given, find out the minimum number of the correct sequence of matrices to multiply.
   Input: A1(2*3) * A2(3*4) * A3(4*2)
   Output: A1*(A2*A3) = 36
   Explanation: There are two ways to multiply matrix A1, A2, and A3
   Either (A1*A2)*A3 = 40 or A1 * (A2 * A3) = 36
   So, 36 is the minimum thus correct sequence is A1*(A2 * A3)
   Hint: Refer 6th Nov 2022 live session to approach the solution to this problem.