

Coin Change Problem

Given an integer array of coins [] of size N representing different types of currency and an integer sum, The task is to find the number of ways to make sum by using different combinations from coins[].

Note: Assume that you have an infinite supply of each type of coin.

Analyze Using Brute Force Algorithm (recursion) and Dynamic Programming to solve Coin change problem with different size of the coin[] array and different value of sum (at least 3).

For the DP part, do recursive iterative and space optimization as well.