Problem 1

- In class, we have obtained the dynamic programming algorithm for the Knapsack problem to find the optimal cost
- However, there is no way to find the optimal Knapsack strategy
- Problem
  - You have to implement the dynamic programming algorithm to find the optimal cost and the optimal Knapsack strategy.

Problem 2

- Study Branch and Bound Algorithm

- You can use
  - https://www.geeksforgeeks.org/0-1-knapsack-using-branch-and-bound/
  - Chat GPT
    - https://openai.com/blog/chatgpt
  - https://velog.io/@seo78200/Algorithm-branch-and-bound-knapsack-problem
  - https://ocw.mit.edu/courses/1-204-computer-algorithms-in-systems-engineering-spring-2010/df7362cc2e2d15ddb9eff4a0e37ef88b_MIT1_204S10_lec16.pdf