

# Exercise #3

## ☞ Resource Allocation Problem

- Given  $m$  resources and  $n$  projects, a  $\text{profit}(i, j)$  will be obtained if  $j$ ,  $0 \leq j \leq m$ , resources are allocated to project  $i$ .
- Find an allocation of resources to maximize the total profit.

☞ Please use dynamic programming approach to design an algorithm and implement the program to solve the resource allocation problem.

☞ Due Date: 2024/01/16