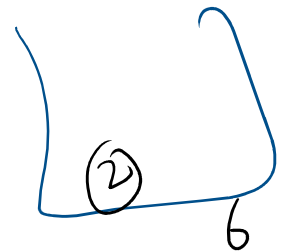
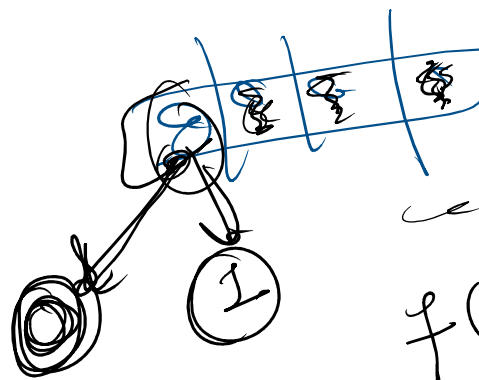


# 4.11 - Greedy - 1

Sunday, September 21, 2025 10:43 AM

# knapsack problems [✓] DP optimized

- 0-1 knapsack
- fractional knapsack
- In finite knapsack



$$f(W, v)$$

$$\begin{matrix} \swarrow & \searrow \\ f(W - w[i], val + v[i]) & f(W, v) \end{matrix}$$

max

$$f(n) = f(n-1) + f(n-2)$$

