

Backtracking

$$\begin{aligned} \text{OPT}[3,6] &= \max\{ \\ &\quad \text{OPT}[2,6] (=4), \\ &\quad \text{OPT}[2,3] + V_3 (=2+3) \} \\ &= 5 \end{aligned}$$

Decision: Select item 3

$$\begin{aligned} \text{OPT}[2,3] &= \max\{ \\ &\quad \text{OPT}[1,3] (=2), \\ &\quad \text{OPT}[1,1] + V_2 (=0+2) \} \\ &= 2 \end{aligned}$$

Decision: Select item 2

	W = 0	1	2	3	4	5	6
i=3	0	0	2	3	4	5	5
i=2	0	0	2	2	4	4	4
i=1	0	0	2	2	2	2	2
i=0	0	0	0	0	0	0	0