|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 0 | 2 | 3 | 4 | 5 | 5 |
| 0 | 0 | 2 | 2 | 4 | 4 | 4 |
| 0 | 0 | 2 | 2 | 2 | 2 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |

i=3

i=2

i=1

i=0

W = 0 1 2 3 4 5 6

Backtracking

OPT[3,6] = max{

OPT[2,6] (=4),

OPT[2,3] + V3 (=2+3) }

= 5

Decision: Select item 3

OPT[2,3] = max{

OPT[1,3] (=2),

OPT[1,1] + V2 (=0+2) }

= 2

Decision: Select item 2