Knapsack Example:

W = 10

 $M[i,j] = max{(V_i + M[i-1, j-W_i]), M[i-1, j]}$

i	1	2	3	4
V _i	10	40	30	50
Wi	5	4	6	3

Ν/1•	J											
M:	w → n ↓	0	1	2	3	4	5	6	7	8	9	10
i 	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	10	10	10	10	10	10
	2	0	0	0	0	40	40	40	40	40	50	50
	3	0	0	0	0	40	40	40	40	40	50	70
↓	4	0	0	0	50	50	50	50	90	90	90	90