Knapsack(n, W)					1	2	3	4				
				w	2	3	4	5				
1 <b>for</b> $i \leftarrow 0$ <b>to</b> $n > $ no remaining capacity 2 <b>do</b> $M[i, 0] \leftarrow 0$				V	3	4	5	7				
3 <b>for</b> $w \leftarrow 0$ <b>to</b> $W \Rightarrow 0$ no item to choose from												
4 <b>do</b> $M[0, w] \leftarrow 0$												-
5 <b>for</b> $j \leftarrow 1$ <b>to</b> $n$												
6 <b>do for</b> $w \leftarrow 1$ <b>to</b> $W$		W	0	1	2	3	4	5	6	7	8	9
7 <b>do if</b> $w_i > w$	n											
8 then $M[j] = M[j-1, w]$	0		0	0	0	0	0	0	0	0	0	0
9 else $M[j, w] \leftarrow \text{MAX}(v_j + M[j-1, w-w_j],$	1		0	0	3	3	3	3	3	3	3	3
M[j-1,w]	2		0	0	3	4	4	7	7	7	7	7
10 return $M[n, W]$	3		0	0	3	4	5	7	8	9	9	12
	4		0	0	3	4	5	7	8	10	11	12