Data Structures: Ch. & Honework

- If n=0

 Return 0

 If n>0

 for i=1, n

 for j=0, m

 If D[i] <= i

 int R = P[i-0[i]]

 if (R!x MAX and R+1 < P[i])

 P[i] = R+1

	Capacity								
	0	- 1	2	3	4	5	b	7	8
0	0	0	0	0	0	0	0	Ø	0
1	٥	15	15	15	15	15	15	15	15
2	0	15	15	15	15	15	25	25	25
3	0	15	15	15	24	24	25	25	25
4	0	15	15	15	24	24	25	25	29
	1	3 0	2 0 15	2 0 15 15	0 1 2 3 0 0 0 0 0 1 0 15 15 15 2 0 15 15 15 3 0 15 15 15	0 1 2 3 4 0 0 0 0 0 0 1 0 15 15 15 15 2 0 15 15 15 15 3 0 15 15 15 24	0 1 2 3 4 5 0 0 0 0 0 0 0 0 1 0 15 15 15 15 15 2 0 15 15 15 15 15 3 0 15 15 15 24 24	0 1 2 3 4 5 6 0 0 0 0 0 0 0 0 0 1 0 15 15 15 15 15 15 2 0 15 15 15 15 25 3 0 15 15 15 24 24 25	0 1 2 3 4 5 6 7

Do i really need to Show addition?

a) Max Value is 29

b) items : { 1, 3, 4}

Proof: item 2+ item 3 = Wiq Value: 19
item 1+ item 3+ item 4 = Wiq Value 29

No other Combination = Wiq

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