carrotTypes : [{ kg:5, price:100 }, { kg:7, price:150 }, { kg:3, price:70 }]

* Our objective is to fill the knapsack with items to get maximum benefit crossing the capacity.

Item	Kg	Price	Density
Item(1)	5	100	20
Item(2)	7	150	21,42
Item(3)	3	70	23,3

} If we sort on density, order becomes Item(3), Item(2), Item(1)

Capacity = 36

* If we take Item(3), we can get max benefit. Because, Item(3) has max density and min kg.

Item(3) → kg : 3 , price : 70 , density : 23,3

$$\text{Max Value} = \left(\text{Capacity} / \text{Item}_{(3)}\ \text{kg}\right) . \text{price}$$

$$= (36 / 3) . 70$$

$$\text{Max Value} = 12 . 70$$

$$\text{Max Value} = 840$$