Question: capacity to ship package within D days.

Explanation: Lets say we have the following package to be shipped, find the min-weights of the ship so that all packages can be shipped in given days.

weights = [2, 4, 6, 2, 3] days = 3

based on the days, the shipment of these 5 packages should be completed in 3 days;

Lets start packing one package per day.

day-one 2

day-two 4

day-three 6

we can see, in three days, we can ship only 3 boxes;

ship more boxes per day.

2 4 6 2 3

Let's pick max-weight allowed to be 5; it means at each day more than 5 kg cannot be shipped.

day-one 2
day-two 4
day-three 6

still two packages remains to be shipped;

we can choose two or more consecutive packages, but that cannot exceed the weight limit (5kg), we pick earlier

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increase the amount of weights: 6kg per day.

day-one 2 4
day-two 6
day-three 2 3

Now, we can ship all the packages in three days

How to code it?

weights = 2 4 6 2 3


```
pw = 0
max_wei = 6
for i in range(len(weights)):
    if pw > max_weights:
        deg = deg + 1
    pw = pw + weights[i]
```