**DP24:** [**Rod cutting problem**](https://www.codingninjas.com/codestudio/problems/rod-cutting-problem_800284?source=youtube&campaign=striver_dp_videos&utm_source=youtube&utm_medium=affiliate&utm_campaign=striver_dp_videos)**- another way to say unbounded knapsack**

**How can we cut rod such that its cost obtained will be max**

Unbounded Knapsack = Rod cuting

W = N(length of the rod given)

value[i] = price[i]

Weight[i] = rodlength(i+1)

**Approach**: Try out all possible ways to cut the rod of len N.

**Recursion: f(ind, N)**

* **f(ind, N)**
* **Not- take & take(stay at same ind)**
* **Max (notTake, take)**