- So, let's now try to find an answer to the following question:

" What is Dynamic Programming?"

A very coorse or condensed version of a statement notuch can explain the concept of dynamic programming easily is as follows:

"The concept of dynamic programming really can just be thought of as Enhanced Advanced Recursion.

We know from our prior knowledge that a function f(Gi) is said to be recursive when it tries to call itself any number of times but always on an unput welich is smaller than the original input which In this case means an input y such that y & always and this invariant is maintained in all sub-squent recursive calls of the function. We also know from algorithmic theory that recessive functions can be very easily studied using mathematical structures naned "Pecursion Trees".

Fibonacci Recursive function: fibCn) = fib(n-1) + Crecursive function to compute the nth AbCn) fibonacci mules).

Fibonacci Reussion fib(n-1)

fibon-2)