Date : 21th - Oct- 2020
Morning Session : 9am – 11.00 PM
By ~ Rohan Kumar

Topics: Dynamic Programing - 2

Today we discussed

Technique to solve Dynamic programs.

- ❏ Use **FAST** method.
- ❏ **F**ind the recursive solution.
- ❏ **A**nalyse the solution(look for overlapping problems).
- ❏ **S**ave the results for future(Top Down Approach).
- ❏ **T**weak the solution to make it more powerful by eliminating recursion overhead(Bottom Up Approach).

Solving Dynamic Program Problems.

Please go through the below PDF

[Introduction to Dynamic Programming]

For Solving Dynamic Program problems Explanation please go through the recorded lecture

[Recorded Lecture]

MCQ's:

1. In dynamic programming, the technique of storing the previously calculated values is called _____
a) Saving value property
b) Storing value property
c) Memoization
d) Mapping

Answer: C

Using dynamic programming, time complexity will be varied from
a) Exponential time to polynomial time
b) Polynomial time to exponential time

Answer: A

4. Length of longest common subsequence of string1 = "abcdeghi" string2= "chd" is
a. 2
b. 3
c. 4
d. 5

Answer: A

Other Resources:

https://www.freecodecamp.org/news/demystifying-dynamic-programming-3efafb8d4296/

Guys please go through this link before coming to tomorrow's class

https://www.geeksforgeeks.org/longest-common-subsequence-dp-using-memoization/