

DP Concepts (video) 26/2 Questions



419UI (Motivation) HARDWORK HAS

No

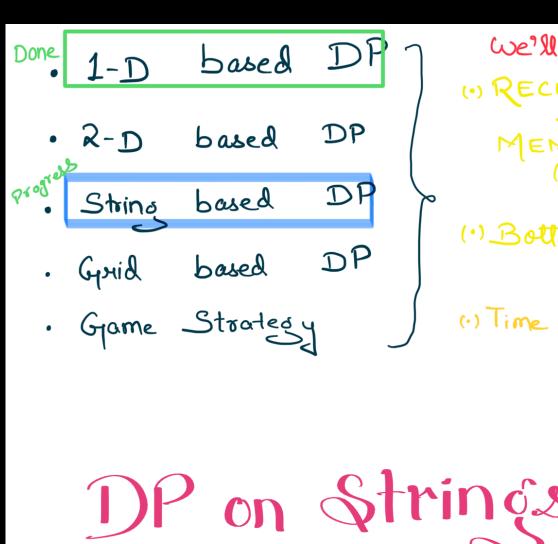
SUBSTITUTE ...

99

cswithMIK -> Twitter

Facebook] -> code storywithMIK

whatsapp -> codestory withMIK



we'll do: () RECURSION MEMOIZATION (Top Down) (1) Bottom UP (1) Time & Space

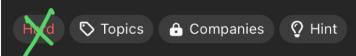
DP on Strings

- -> Longest Common Subsequence (LCS)
- Print LCS
- -> Edit Distance
- Shortest common Supersequence. (SCS)
- Print SCS
- problems :-=> Pallindrome related DP

Palindromic Substrings + (Blueprint

ongest Palindromic Substring

1312. Minimum Insertion Steps to Make a String Palindrome



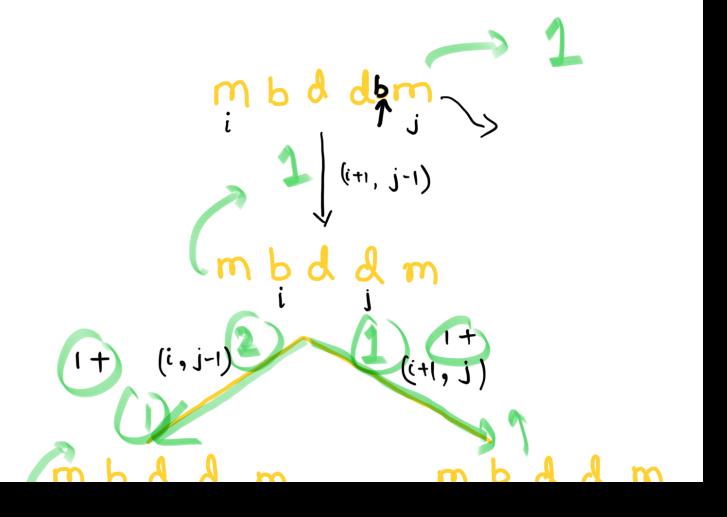
Given a string s. In one step you can insert any character at any index of the string.

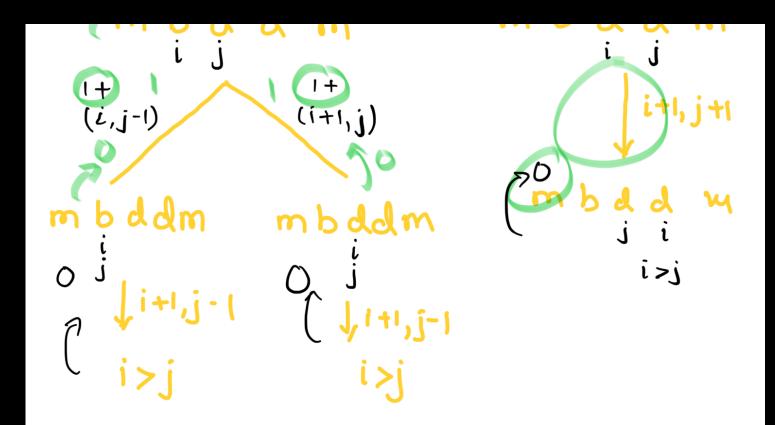
Return the minimum number of steps to make s palindrome.

A Palindrome String is one that reads the same backward as well as forward.

Why DP?? Recursion + Moization)







Using Bollom UP (Blue Print)

"
$$\frac{a}{i} \frac{b}{j} = 0 + 2 = 2 - 1 = 0$$

$$\int_{S[i]} = = S[j] \int_{S[i]} \frac{1}{n_0}$$
 invertion

$$f(i)(i) = 1 + min(f(i)(i-i),$$
 $f(i)(i+i)(i)$

