Date: 26/04/21

Black Board

Design and Analysis of Algorithms

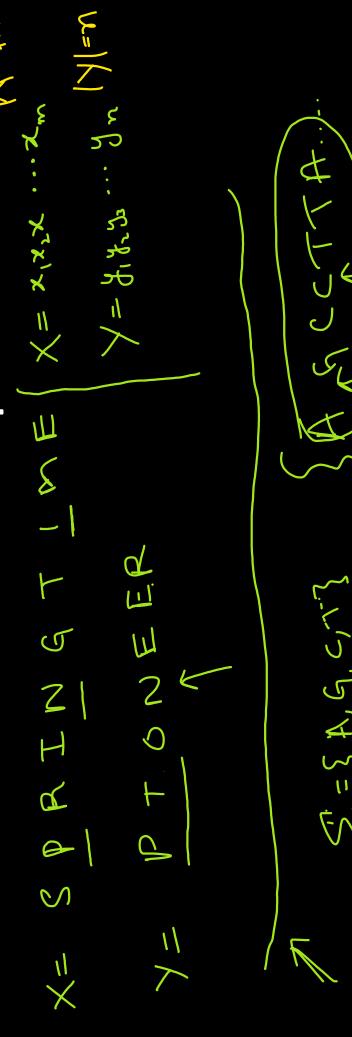
Topics:

- Dynamic Programming V
- THE LONGEST COMMON SUBSEQUENCE PROBLEM

The LCS Problem

- Input: Two strings X and Y or lengths m and n respectively.
- Output: The Longest Common Subsequence between X and Y

Some Examples





The Brute Force Algorithm

110 1/0 1/0 1/0. Letux sold - Afarbay years w = / - Take of and generale all also exists in to y $(M, N) = O(N2^{m})$