

Quiz-6 (E): Design and Analysis of Algorithms (Spring-2024)

SOLUTION

Using the bottom-up approach of Dynamic Programming (learned in the class), find the LCS of $X = \text{designofalgorithms}$ and $Y = \text{iwillpassalgo}$. Completely fill the c and b tables. Construct the optimal solution (4th step of a DP algorithm). Show all steps.

Length of LCS = 5

LCS = ialgo