Quiz-5(A&B): Design and Analysis of Algorithms (Spring-2024)

SOLUTION

Given a chain of four matrices A1, A2, A3, A4, with p0=5, p1=4, p2=6, p3=2 and p4=7. Using the bottom-up algorithm of Dynamic Programming for matrix-chain multiplication (studied in the class), find m[1,4]. Show the completely filled m and s tables, where m table is used for cost calculation and s table is used for path calculation.