

Chapter 3 Dynamic Programming

Problem 3.0 Independent Task Scheduling

Problem 3.1 Coin Changing

Problem 3.2 Relation Ordering

Problem 3.3 Counting Powers

Problem 3.4 Edit Distance

Problem 3.5 Pebble Merging

Problem 3.6 Number Triangles

Problem 3.7 Multiplication Table

Problem 3.8 Renting Boats

Problem 3.9 Car Traveling

Problem 3.10 Minimal m Sums

Problem 3.11 Circle Multiplication

Problem 3.12 Maximum Cube

Problem 3.13 Regular Expressions

Problem 3.14 Bitonic Tours

Problem 3.15 Maximum k Multiplications

Problem 3.16 Cheapest Shopping

Problem 3.17 Collecting Samples

Problem 3.18 Optimal Scheduling

Problem 3.19 String Comparison

Problem 3.20 k Median of Directed Trees

Problem 3.21 k Independent Median of Directed Trees

Problem 3.22 k Median of Directed Line

Problem 3.23 2 Median of Directed Line

Problem 3.24 Maximum Connected Component of Trees

Problem 3.25 k Median of Line

Problem 3.26 k Cover of Line

Problem 3.27 m Processors

Problem 3.28 Red Nodes of Red-Black Trees