

A Java Library of Graph Algorithms and Optimization Discrete Mathematics and Its Applications



BOOK DETAILS

- Author : Hang T. Lau
- Pages : 386 Pages
- Publisher : Chapman and Hall/CRC
- Language : English
- ISBN : 1584887184

[↓ DOWNLOAD](#)

BOOK SYNOPSIS

Because of its portability and platform-independence, Java is the ideal computer programming language to use when working on graph algorithms and other mathematical programming problems. Collecting some of the most popular graph algorithms and optimization procedures, A Java Library of Graph Algorithms and Optimization provides the source code for a library of Java programs that can be used to solve problems in graph theory and combinatorial optimization. Self-contained and largely independent, each topic starts with a problem description and an outline of the solution procedure, followed by its parameter list specification, source code, and a test example that illustrates the usage of the code. The book begins with a chapter on random graph generation that examines bipartite, regular, connected, Hamilton, and isomorphic graphs as well as spanning, labeled, and unlabeled rooted trees. It then discusses connectivity procedures, followed by a paths and cycles chapter that contains the Chinese postman and traveling salesman problems, Euler and Hamilton cycles, and shortest paths. The author proceeds to describe two test procedures involving planarity and graph isomorphism. Subsequent chapters deal with graph coloring, graph matching, network flow, and packing and covering, including the assignment, bottleneck assignment, quadratic assignment, multiple knapsack, set covering, and set partitioning problems. The final chapters explore linear, integer, and quadratic programming. The appendices provide references that offer further details of the algorithms and include the definitions of many graph theory terms used in the book.

A JAVA LIBRARY OF GRAPH ALGORITHMS AND OPTIMIZATION DISCRETE MATHEMATICS AND ITS APPLICATIONS - Are you looking for Ebook A Java Library Of Graph Algorithms And Optimization Discrete Mathematics And Its Applications ? You will be glad to know that right now A Java Library Of Graph Algorithms And Optimization Discrete Mathematics And Its Applications is available on our online library. With our online resources, you can find Applied Numerical Methods With Matlab Solution Manual 3rd Edition or just about any type of ebooks, for any type of product.

Best of all, they are entirely free to find, use and download, so there is no cost or stress at all. A Java Library Of Graph Algorithms And Optimization Discrete Mathematics And Its Applications may not make exciting reading, but Applied Numerical Methods With Matlab Solution Manual 3rd Edition is packed with valuable instructions, information and warnings. We also have many ebooks and user guide is also related with A Java Library Of Graph Algorithms And Optimization Discrete Mathematics And Its Applications and many other ebooks.

We have made it easy for you to find a PDF Ebooks without any digging. And by having access to our ebooks online or by storing it on your computer, you have convenient answers with A Java Library Of Graph Algorithms And Optimization Discrete Mathematics And Its Applications . To get started finding A Java Library Of Graph Algorithms And Optimization Discrete Mathematics And Its Applications , you are right to find our website which has a comprehensive collection of manuals listed.