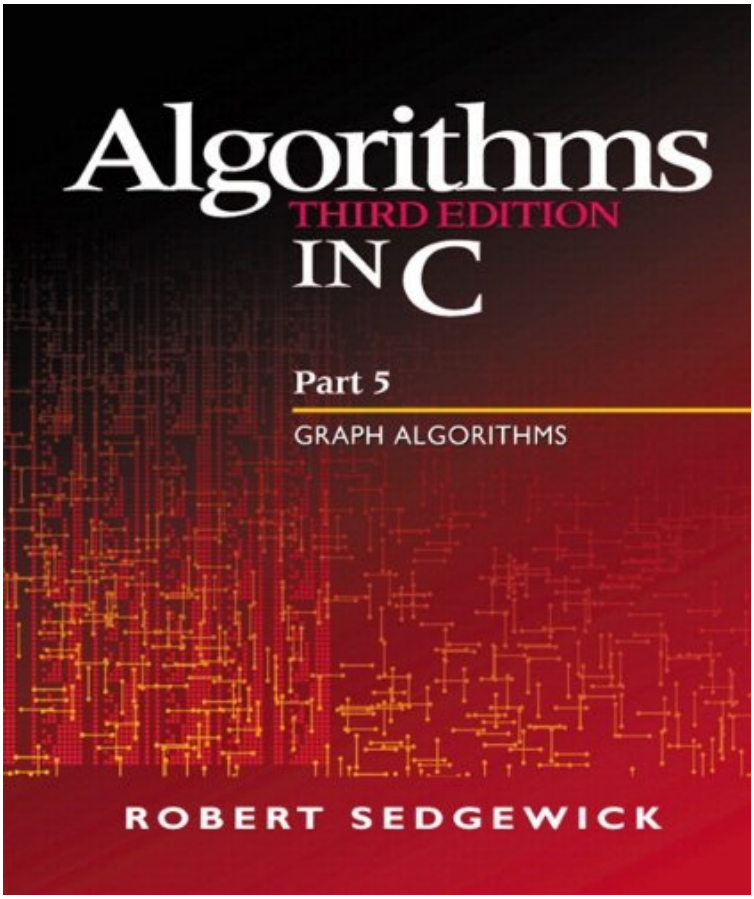
Algorithms in C, Part 5: Graph Algorithms: Graph Algorithms Pt.5

Von Robert Sedgewick



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Von Robert Sedgewick : Algorithms in C, Part 5: Graph Algorithms: Graph Algorithms Pt.5 before purchasing it in order to gage whether or not it would be worth my time, and all praised Algorithms in C, Part 5: Graph Algorithms: Graph Algorithms Pt.5:

KundenrezensionenHilfreichste Kundenrezensionen2 von 2 Kunden fanden die folgende Rezension hilfreich. Classic text, but those looking for OOP may be disapointedVon Ein KundeI first read Sedgewick's Algorithms many years ago for a programming class in college. I was impressed at the time by it's clear presentation and thorough handling of the most fundamental data structures and algorithms. Queues, hash tables, various flavors of trees and graphs... it's all explained quite well in the text. The orginal edition had code examples in Pascal, and when I lost that copy, I decided to get the 'C++' version. The content is basically identical -- which is not necessarily a bad thing. Those looking for modern object-oriented code examples, however, will be dissapointed. Only the most minimal effort has been made to go from the original Pascal listings. It is really a matter of expectations. The code is not the most readable (many single letter variable names), but the true value of this book is the text, not the code.0 von 3 Kunden fanden die folgende Rezension hilfreich. Ottimo libroVon A.B.Robert Sedgewick ha completamente riscritto e ampliato il libro

'Algorithms in C'. Questa nuova edizione, divisa in tre volumi (la terza parte non ancora stata pubblicata) veramente interessante. Rispetto all'edizione precedente il codice presentato corretto e meno criptico, inoltre le spiegazioni sono pi chiare e complete.Consiglio vivamente l'acquisto di tutti i volumi (Parti 1-4, Parte 5, e, quando verr pubblicata, anche la successiva). Il volume in questione tratta diversi algoritmi, dai pi comuni fino a quelli pi complicati (Dijkstra,...), presenta numerosi esempi pratici e grafici che illustrano quello che viene fatto dall'algoritmo. Aspettando il terzo volume non posso che assegnare 5 stelle a 'Algorithms in C: Part 5' !2 von 2 Kunden fanden die folgende Rezension hilfreich. Ugly and Obtusely written examples and text.Von Ein KundeFor being one of the top computer gurus, this person sure writes some ugly code. Many if not most of the code samples are broken. Also he uses cryptic variable names (a, b, c, x...) and bad coding form in general (most variables are global). This would be fine if this was not a text for Learning algorithms. (looks like the example code was run through a Fortran to Pascal to C converter) On the other hand, I found many of the illustrations very helpful in figuring out what he was trying to say with text. If this book was not required for my class I would not have bought it. I found Numerical Recipes in C to be more useful.

KurzbeschreibungOnce again, Robert Sedgewick provides a current and comprehensive introduction to important algorithms. The focus this time is on graph algorithms, which are increasingly critical for a wide range of applications, such as network connectivity, circuit design, scheduling, transaction processing, and resource allocation. In this book, Sedgewick offers the same successful blend of theory and practice with concise implementations that can be tested on real applications, which has made his work popular with programmers for many years. Algorithms in C, Third Edition, Part 5: Graph Algorithms is the second book in Sedgewick's thoroughly revised and rewritten series. The first book, Parts 1-4, addresses fundamental algorithms, data structures, sorting, and searching. A forthcoming third book will focus on strings, geometry, and a range of advanced algorithms. Each book's expanded coverage features new algorithms and implementations, enhanced descriptions and diagrams, and a wealth of new exercises for polishing skills. A focus on abstract data types makes the programs more broadly useful and relevant for the modern object-oriented programming environment. Coverage includes: A complete overview of graph properties and types Diagraphs and DAGs Minimum spanning trees Shortest paths Network flows Diagrams, sample C code, and detailed algorithm descriptions The Web site for this book (http://www.cs.princeton.edu/~rs/) provides additional source code for programmers along with numerous support materials for educators. A landmark revision, Algorithms in C, Third Edition, Part 5 provides a complete tool set for programmers to implement, debug, and use graph algorithms across a wide range of computer applications. KurzbeschreibungOnce again, Robert Sedgewick provides a current and comprehensive introduction to important algorithms. The focus this time is on graph algorithms, which are increasingly critical for a wide range of applications, such as network connectivity, circuit design, scheduling, transaction processing, and resource allocation. In this book, Sedgewick offers the same successful blend of theory and practice with concise implementations that can be tested on real applications, which has made his work popular with programmers for many years. Algorithms in C, Third Edition, Part 5: Graph Algorithms is the second book in Sedgewick's thoroughly revised and rewritten series. The first book, Parts 1-4, addresses fundamental algorithms, data structures, sorting, and searching. A forthcoming third book will focus on strings, geometry, and a range of advanced algorithms. Each book's expanded coverage features new algorithms and implementations, enhanced descriptions and diagrams, and a wealth of new exercises for polishing skills. A focus on abstract data types makes the programs more broadly useful and relevant for the modern object-oriented programming environment. Coverage includes: A complete overview of graph properties and types Diagraphs and DAGs Minimum spanning trees Shortest paths Network flows Diagrams, sample C code, and detailed algorithm descriptions The Web site for this book (http://www.cs.princeton.edu/~rs/) provides additional source code for programmers along with numerous support materials for educators. A landmark revision, Algorithms in C, Third Edition, Part 5 provides a complete tool set for programmers to implement, debug, and use graph algorithms across a wide range of computer applications. Synopsis Graph algorithms are increasingly critical for a wide range of applications, including network connectivity, circuit design, scheduling, transaction processing, and resource allocation. The latest book in Robert Sedgewick's classic series on algorithms focuses entirely on graph algorithms, introducing many new implementations and figures, extensive new commentary, more detailed descriptions, and hundreds of new exercises. For developers, researchers and students alike, this is the definitive guide to graph algorithms. The book contains six chapters covering graph properties and types, graph search, directed graphs, minimal spanning trees, shortest paths, and networks -- each with diagrams, sample code, and detailed descriptions intended to help readers understand the basic properties of as broad a range of fundamental graph algorithms as possible. The basic properties of these algorithms are developed from first principles; discussion of advanced mathematical concepts is brief, general, and descriptive, but proofs are rigorous and many open problems are discussed.Sedgewick focuses on practical applications, giving readers all the information and real (not pseudo-) code they need to confidently implement, debug, and use the algorithms he covers. For all developers, computer science researchers, engineers, and students of algorithms. (Also available: the companion book

Algorithms in C: Parts 1-4, Third Edition, ISBN: 0-201-314525).