



Applications of Graph Theory (Paperback)

By Ashay Dharwadker, Shariefuddin Pirzada

Createspace, United States, 2011. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Graph theory is becoming increasingly significant as it is applied to other areas of mathematics, science and technology. It is being actively used in fields as varied as biochemistry (genomics), electrical engineering (communication networks and coding theory), computer science (algorithms and computation) and operations research (scheduling). The powerful combinatorial methods found in graph theory have also been used to prove fundamental results in other areas of pure mathematics. This book, besides giving a general outlook of these facts, includes new graph theoretical proofs of Fermat s Little Theorem and the Nielson-Schreier Theorem. New applications to DNA sequencing (the SNP assembly problem) and computer network security (worm propagation) using minimum vertex covers in graphs are discussed. We also show how to apply edge coloring and matching in graphs for scheduling (the timetabling problem) and vertex coloring in graphs for map coloring and the assignment of frequencies in GSM mobile phone networks. Finally, we revisit the classical problem of finding re-entrant knight s tours on a chessboard using Hamiltonian circuits in graphs.



Reviews

Comprehensive guide! Its this sort of very good go through. It generally is not going to price too much. Its been designed in an remarkably basic way which is simply following i finished reading this pdf where really changed me, affect the way i really believe.

-- Prof. Jeremie Blanda DDS

Excellent e book and beneficial one. It is rally fascinating through reading through time period. You are going to like how the author publish this ebook.

-- Prof. Triston Smitham V

See Also



Do Monsters Wear Undies Coloring Book: A Rhyming Children's Coloring Book (Paperback)

Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book ****** Print on Demand ******. A #1 Best Selling Children s Book Is Now A Coloring Book! Parents and...



Twitter Marketing Workbook: How to Market Your Business on Twitter (Paperback)

Createspace Independent Publishing Platform, United States, 2016. Paperback. Book Condition: New. Workbook. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. Twitter Marketing Workbook 2016 Learn how to market your business on Twitter for free A best-selling...



I Learn, I Speak: Basic Skills for Preschool Learners of English and Chinese (Paperback)

Paraxus International, Inc., United States, 2012. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Please go to // and shapes for some high resolution sample pages. Learn Chinese - Basic Skills for...



Odes Funebres, S.112: Study Score (Paperback)

Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Liszt composed three Odes funebres between 1860 and 1866, shortly in the wake of his first 12 tone...



Davenport's Maryland Wills and Estate Planning Legal Forms (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. This book written by attorneys and published by Davenport Press provides a quick review of law and a good range...



Skills for Preschool Teachers, Enhanced Pearson eText - Access Card

Pearson Education (US), United States, 2016. Online resource. Book Condition: New. 10th edition. 279 x 216 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson,...