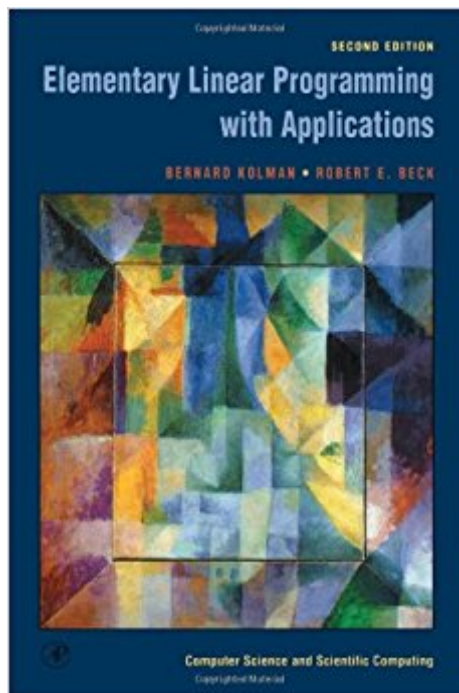


The book was found

Elementary Linear Programming With Applications, Second Edition (Computer Science & Scientific Computing Series)



Synopsis

Linear programming finds the least expensive way to meet given needs with available resources. Its results are used in every area of engineering and commerce: agriculture, oil refining, banking, and air transport. Authors Kolman and Beck present the basic notions of linear programming and illustrate how they are used to solve important common problems. The software on the included disk leads students step-by-step through the calculations. The Second Edition is completely revised and provides additional review material on linear algebra as well as complete coverage of elementary linear programming. Other topics covered include: the Duality Theorem; transportation problems; the assignment problem; and the maximal flow problem. New figures and exercises are provided and the authors have updated all computer applications. The companion website on www.elsevierdirect.com contains the student-oriented linear programming code SMPX, written by Professor Evar Nering of Arizona State University. The authors also recommend inexpensive linear programming software for personal computers. Please note the previous printing included a disk attached to the back of the book. The material is now only available on the companion website - <http://www.elsevierdirect.com/product.jsp?isbn=9780124179103>

* More review material on linear algebra
* Elementary linear programming covered more efficiently
* Presentation improved, especially for the duality theorem, transportation problems, the assignment problem, and the maximal flow problem
* New figures and exercises
* Computer applications updated
* Companion website on www.elsevierdirect.com with the student-oriented linear programming code SMPX, written by Professor Evar Nering of Arizona State University
* New guide to inexpensive linear programming software for personal computers

Please note the previous printing included a disk attached to the back of the book. The material is now only available on the companion website - <http://www.elsevierdirect.com/product.jsp?isbn=9780124179103>

Book Information

Series: Computer Science & Scientific Computing Series

Hardcover: 449 pages

Publisher: Academic Press; 2 edition (July 6, 1995)

Language: English

ISBN-10: 012417910X

ISBN-13: 978-0124179103

Product Dimensions: 6.1 x 1.1 x 9.2 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 3.6 out of 5 stars [See all reviews](#) (5 customer reviews)

Best Sellers Rank: #489,244 in Books (See Top 100 in Books) #62 in [Books > Science & Math > Mathematics > Applied > Linear Programming](#) #204 in [Books > Science & Math > Mathematics > Applied > Differential Equations](#) #284 in [Books > Computers & Technology > Business Technology > Management Information Systems](#)

Customer Reviews

I am currently the marker for a first course on linear programming which uses this book. I find that the definitions of key terms are buried in the text, like the definition of a basic solution on p. 95. The description of the simplex algorithm in section 2.1 is mixed together with a particular linear programming problem. I would prefer to have a general description and then many detailed examples, rather than a mix of both and then only two examples. I have a similar complaint with section 2.3 on the two phase method. This book is expensive. There are books published by Dover that cover the simplex algorithm, duality, and integer programming that cost a tenth as much as this book, and an instructor should look at those before assigning a book that costs this much. Also, it is ludicrous now to have newly purchased books come with floppy disks.

Not my cup of tea as a computer scientist yet it served the purpose honorably. Problems are nice, complete, challenging yet sometimes its hard to connect the dots between the exercises and the chapter's content. Still, is a classic...

This book was really useful. It has plenty of examples and problems to work through. It also presents the material in a really clear and easy to follow manner. The only thing that I thought could be done better is that it didn't have enough proofs of some important theorems.

This is a good book. Everything is well explained and each section has many examples. The only thing I would complain about is that the examples should probably have been placed before the theorem statement/proof as it would help the reader understand the proof. The material is all very straightforward and shouldn't cause any headaches. Overall an excellent book which I'd recommend to anyone who would like to learn linear programming. For anyone trying to learn linear programming out a class room setting it is also good as the back has answers to odd numbered questions.

The book is okay at explaining stuff

[Download to continue reading...](#)

Elementary Linear Programming with Applications, Second Edition (Computer Science & Scientific Computing Series) Computability, Complexity, and Languages, Second Edition: Fundamentals of Theoretical Computer Science (Computer Science and Scientific Computing) The Theory of Matrices, Second Edition: With Applications (Computer Science and Scientific Computing) Programming #8:C Programming Success in a Day & Android Programming In a Day! (C Programming, C++programming, C++ programming language, Android , Android Programming, Android Games) Programming #57: C++ Programming Professional Made Easy & Android Programming in a Day (C++ Programming, C++ Language, C++for beginners, C++, Programming ... Programming, Android, C, C Programming) HACKING: Beginner's Crash Course - Essential Guide to Practical: Computer Hacking, Hacking for Beginners, & Penetration Testing (Computer Systems, Computer Programming, Computer Science Book 1) MYSQL Programming Professional Made Easy 2nd Edition: Expert MYSQL Programming Language Success in a Day for any Computer User! (MYSQL, Android programming, ... JavaScript, Programming, Computer Software) Programming: Computer Programming for Beginners: Learn the Basics of Java, SQL & C++ - 3. Edition (Coding, C Programming, Java Programming, SQL Programming, JavaScript, Python, PHP) SQL Handbook: Learning The Basics Of SQL Programming (Computer Science Programming) (Computer Programming For Beginners) Programming #45: Python Programming Professional Made Easy & Android Programming In a Day! (Python Programming, Python Language, Python for beginners, ... Programming Languages, Android Programming) Real Computing Made Real: Preventing Errors in Scientific and Engineering Calculations (Dover Books on Computer Science) Computer Programming Box Set (4 in 1): Linux, Raspberry Pi, Evernote, and Python Programming for Beginners (Computer Programming & Operating Systems) GPU Computing Gems Emerald Edition (Applications of GPU Computing Series) Linear Algebra With Applications (Jones and Bartlett Publishers Series in Mathematics. Linear) Hacking: Hacking Made Easy 1: Beginners: Python: Python Programming For Beginners, Computer Science, Computer Programming Linear Algebra and Its Applications plus New MyMathLab with Pearson eText -- Access Card Package (5th Edition) (Featured Titles for Linear Algebra (Introductory)) Linear Algebra with Applications (9th Edition) (Featured Titles for Linear Algebra (Introductory)) Raspberry Pi 2: Raspberry Pi 2 Programming Made Easy (Raspberry Pi, Android Programming, Programming, Linux, Unix, C Programming, C+ Programming) Android: Programming in a Day! The Power Guide for Beginners In Android App Programming (Android, Android Programming, App Development, Android App Development, ...

App Programming, Rails, Ruby Programming) DOS: Programming Success in a Day: Beginners guide to fast, easy and efficient learning of DOS programming (DOS, ADA, Programming, DOS Programming, ADA ... LINUX, RPG, ADA Programming, Android, JAVA)

[Dmca](#)