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With literally hundreds

of examples and thousands of lines of code, the Java Servlet and JSP Cookbook yields tips and techniques that any Java web developer who uses JavaServer Pages or servlets will use every day, along with full-fledged solutions to significant web application development problems that developers can insert directly into their own applications. Java Servlet and JSP Cookbook presents real-world problems, and provides concise, practical solutions to each. Finding even one tested code "recipe" that solves a gnarly problem in this comprehensive collection of solutions and best practices will save hours of frustration--easily justifying the cost of

this invaluable book. But "Java Servlet and JSP Cookbook" is more than just a wealth of cut-and-paste code. It also offers clear explanations of how and why the code works, warns of potential pitfalls, and directs you to sources of additional information, so you can learn to adapt the problem-solving techniques to similar situations. These recipes include vital topics like the use of Ant to setup a build environment, extensive coverage of the WAR file format and web.xml deployment descriptor, file-uploading, error-handling, cookies, logging, dealing with non-HTML content, multimedia, request filtering, web services,

I18N, web services, and a host of other topics that frustrate even the most seasoned developers. For Java web developers of all levels who are eager to put into practice the theory presented in other API-focused books, the solutions presented in this practical book will prove invaluable over and over again. This is a painless way for less experienced developers who prefer to learn by doing to expand their skills and productivity, while accomplishing practical solutions to the pressing problems they face every day. More experienced developers can use these recipes to solve time-consuming problems quickly, freeing up their time

for the more creative aspects of their work. *Biomedicine Examined* Springer
 The Smart Solution Book explains each tool in detail – what it is, when and how to use it, its strengths and its limitations. The tools range from quick fixes, which can be used by someone working alone, to large scale solutions which can be used by groups of 100 and more. You can also use the tools separately or in combination with each other. Frame problems so they can be solved. Find a solution to even the most intractable problem. Enjoy the process of problem solving, whether alone or in collaboration with others. Become more creative in your thinking so that, over time, solutions begin to

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There are some events
in life that are
inevitable, and the
emergence of
problems in the
workplace is one.
Solutions sets out to
provide remedies that

are accessible, practical, meaningful, and final. Well organized, and referenced to specific operations, this book provides troubleshooting and other assistance, and serves as an encyclopedic reference for answers to organizational problems for managers and practitioners. All the functional activities and operations of organizations are included, so that almost any problem or issue that may occur will be addressed in one or more chapters. Readers will be able to quickly locate, understand and use a specific tool or technique to solve a problem. The different tools available are described, or a single most useful tool

indicated. The tool is then explained in depth with an example of how it can be used. The strengths and weaknesses of individual tools are identified and there are suggestions for further help. Solutions is essential for anyone wanting to learn the basics of business problem solving and those who might know the basics but want to expand their understanding.

The Quadratic Unconstrained Binary Optimization Problem
Springer Science & Business Media

A hands-on introduction to the theoretical and computational aspects of linear algebra using Mathematica® Many topics in linear algebra are simple, yet computationally

intensive, and computer algebra systems such as Mathematica® are essential not only for learning to apply the concepts to computationally challenging problems, but also for visualizing many of the geometric aspects within this field of study. Principles of Linear Algebra with Mathematica uniquely bridges the gap between beginning linear algebra and computational linear algebra that is often encountered in applied settings, and the commands required to solve complex and computationally challenging problems using Mathematica are provided. The book begins with an introduction to the commands and programming

guidelines for working with Mathematica. Next, the authors explore linear systems of equations and matrices, applications of linear systems and matrices, determinants, inverses, and Cramer's rule. Basic linear algebra topics, such as vectors, dot product, cross product, and vector projection are explored, as well as a unique variety of more advanced topics including rotations in space, 'rolling' a circle along a curve, and the TNB Frame. Subsequent chapters feature coverage of linear transformations from R^n to R^m , the geometry of linear and affine transformations, with an exploration of their effect on arclength, area, and volume, least squares

fits, and pseudoinverses. Mathematica is used to enhance concepts and is seamlessly integrated throughout the book through symbolic manipulations, numerical computations, graphics in two and three dimensions, animations, and programming. Each section concludes with standard problems in addition to problems that were specifically designed to be solved with Mathematica, allowing readers to test their comprehension of the presented material. All related Mathematica code is available on a corresponding website, along with solutions to problems and additional topical resources. Extensively

class-tested to ensure an accessible presentation, *Principles of Linear Algebra with Mathematica* is an excellent book for courses on linear algebra at the undergraduate level. The book is also an ideal reference for students and professionals who would like to gain a further understanding of the use of Mathematica to solve linear algebra problems. Challenging Mathematical Problems with Elementary Solutions Apress Jump in and build working Android apps with the help of more than 200 tested recipes. With this cookbook, you'll find solutions for working with the user interfaces, multitouch

gestures, location awareness, web services, and device features such as the phone, camera, and accelerometer. You also get useful steps on packaging your app for the Android Market. Ideal for developers familiar with Java, Android basics, and the Java SE API, this book features recipes contributed by more than three dozen developers from the Android community. Each recipe provides a clear solution and sample code you can use in your project right away. Among numerous topics, this cookbook helps you: Use guidelines for designing a successful Android app Work with UI controls, effective layouts, and graphical elements Learn how to take advantage of

Android's rich features in your app Save and retrieve application data in files, SD cards, and embedded databases Access RESTful web services, RSS/Atom feeds, and information from websites Create location-aware services to find locations and landmarks, and situate them on Google Maps and OpenStreetMap Test and troubleshoot individual components and your entire application

Principles of Linear Algebra with Mathematica Packt Publishing Ltd

Newtonian mechanics : dynamics of a point mass (1001-1108) - Dynamics of a system of point masses (1109-1144) - Dynamics of rigid bodies (1145-1223) - Dynamics of

deformable bodies (1224-1272) - Analytical mechanics : Lagrange's equations (2001-2027) - Small oscillations (2028-2067) - Hamilton's canonical equations (2068-2084) - Special relativity (3001-3054). *Digital and Analog Communication Systems* O'Reilly Media Volume II of a two-part series, this book features 74 problems from various branches of mathematics. Topics include points and lines, topology, convex polygons, theory of primes, and other subjects. Complete solutions.

Groundwater

Hydrology Apress
A thorough, up-to-date guide to groundwater science and technology Our understanding of the occurrence and

movement of water under the Earth's surface is constantly advancing, with new models, improved drilling equipment, new research, and refined techniques for managing this vital resource. Responding to these tremendous changes, David Todd and new coauthor Larry Mays equip readers with a thorough and up-to-date grounding in the science and technology of groundwater hydrology. *Groundwater Hydrology, Third Edition* offers a unified presentation of the field, treating fundamental principles, methods, and problems as a whole. With this new edition, you'll be able to stay current with recent developments in

groundwater hydrology, learn modern modeling methods, and apply what you've learned to realistic situations. Highlights of the Third Edition * New example problems and case studies, as well as problem sets at the end of each chapter. * A special focus on modern groundwater modeling methods, including a new chapter on modeling (Chapter 9), which describes the U. S. Geological Survey MODFLOW model. * Over 300 new figures and photos. * Both SI and U.S. customary units in the example problems. * Expanded coverage of groundwater contamination by chemicals. * New references at the end of each chapter, which

provide sources for research and graduate study. Student and instructor resources for this text are available on the book's website at www.wiley.com/college/todd.

Artificial Intelligence Problems and Their Solutions John Wiley & Sons

This book lends insight into solving some well-known AI problems using the most efficient methods by humans and computers. The book discusses the importance of developing critical-thinking methods and skills, and develops a consistent approach toward each problem: 1) a precise description of a well-known AI problem coupled with an effective graphical representation; 2) discussion of possible

approaches to solving each problem; 3) identifying and presenting the best known human solution to each problem; 4) evaluation and discussion of the Human Window aspects for the best solution; 5) a playability site where students can exercise the process of developing their solutions, as well as “experiencing” the best solution; 6) code or pseudo-code implementing the solution algorithm, and 7) academic references for each problem. Features: Addresses AI problems well known to computer science and mathematics students from a number of perspectives Covers classic AI problems such as Twelve Coins, Red

Donkey, Cryptarithms, Rubik’s Cube, Missionaries/Cannibals, Knight’s Tour, Monty Hall, and more Includes a companion CD-ROM with source code, solutions, figures, and more Includes playability sites where students can exercise the process of developing their solutions Describes problem-solving methods which may be applied to many problem situations **How to Solve 50% of Your Problems ?** No Starch Press If you've started to work with Raspberry Pi, you know that Raspberry Pi's capabilities are continually expanding. The fourth edition of this popular cookbook provides more than 200 hands-on recipes (complete with code)

that show you how to run this tiny low-cost computer with Linux, program it with Python, hook it up to sensors and motors, and use it with the internet of things (IoT). This new edition includes new chapters on the Raspberry Pi Pico and machine learning with the Raspberry Pi. These easy-to-use recipes will show you, step-by-step, how to: Set up your Raspberry Pi and connect to a network Work with its Linux-based operating system Program your Raspberry Pi with Python Give your Pi "eyes" with computer vision Recognize objects from video and sounds using machine learning Control hardware through the GPIO connector Use your Raspberry Pi to run different types of

motors Work with switches, keypads, and other digital inputs Use sensors to measure temperature, light, and distance Connect to IoT devices in various ways and automate your home Use the Raspberry Pi Pico microcontroller board with your Raspberry Pi *Windows 10 for the Internet of Things* Prentice Hall Here, the authors introduce readers to solving molecular structure elucidation problems using the expert system ACD/Structure Elucidator. They explain in detail the concepts of the Computer-Assisted Structure Elucidation (CASE) approach and point out the crucial role of understanding the axiomatic nature of the data used to

deduce the structure. Aspects covered include the main blocks of the expert system and essential features of the mathematical algorithms used. Graduate and PhD students as well as practicing chemists are provided with a detailed explanation of the various practical approaches depending on available spectral data peculiarities and the complexity of the unknown structure. This is supported by a large number of real-world completed examples, most of which are related to the structure elucidation of natural product molecules containing unusual skeletons. Dedicated software and further supplementary material are available

at www.acdlabs.com/TeachingSE. *E-music* Springer Students can explore a variety of subjects with these cross-curricular Internet activities. Designed for educators and students, this guide to telecommunications and the Internet demystifies the technology and provides relevant, feasible, and easy-to-implement ideas and activities for the classroom. Expanded coverage of Web resources and cross-curricular activities are available in this new edition. Projects (arranged by subject area), encourage students to explore the Internet and help them learn in a variety of areas. All activities are presented in

reproducible format and are readily integrated into the curriculum. The authors also give a basic overview of Internet access and navigation. A glossary, index, Internet resource list, and illustrations complete the work.

Fixing Windows XP Annoyances Apress
Delve into the world of real-world financial applications using deep learning, artificial intelligence, and production-grade data feeds and technology with Python Key Features Understand how to obtain financial data via Quandl or internal systems Automate commercial banking using artificial intelligence and Python programs Implement various artificial

intelligence models to make personal banking easyBook Description Remodeling your outlook on banking begins with keeping up to date with the latest and most effective approaches, such as artificial intelligence (AI). Hands-On Artificial Intelligence for Banking is a practical guide that will help you advance in your career in the banking domain. The book will demonstrate AI implementation to make your banking services smoother, more cost-efficient, and accessible to clients, focusing on both the client- and server-side uses of AI. You'll begin by understanding the importance of artificial intelligence, while also gaining insights into the recent AI revolution in the banking

industry. Next, you'll get hands-on machine learning experience, exploring how to use time series analysis and reinforcement learning to automate client procurements and banking and finance decisions. After this, you'll progress to learning about mechanizing capital market decisions, using automated portfolio management systems and predicting the future of investment banking. In addition to this, you'll explore concepts such as building personal wealth advisors and mass customization of client lifetime wealth. Finally, you'll get to grips with some real-world AI considerations in the field of banking. By the end of this book, you'll be equipped with the skills

you need to navigate the finance domain by leveraging the power of AI. What you will learn Automate commercial bank pricing with reinforcement learning Perform technical analysis using convolutional layers in Keras Use natural language processing (NLP) for predicting market responses and visualizing them using graph databases Deploy a robot advisor to manage your personal finances via Open Bank API Sense market needs using sentiment analysis for algorithmic marketing Explore AI adoption in banking using practical examples Understand how to obtain financial data from commercial, open, and internal

sourcesWho this book is for This is one of the most useful artificial intelligence books for machine learning engineers, data engineers, and data scientists working in the finance industry who are looking to implement AI in their business applications. The book will also help entrepreneurs, venture capitalists, investment bankers, and wealth managers who want to understand the importance of AI in finance and banking and how it can help them solve different problems related to these domains. Prior experience in the financial markets or banking domain, and working knowledge of the Python programming language are a must.

The The Modern C#

Challenge Mercury Learning and Information Java continues to grow and evolve, and this cookbook continues to evolve in tandem. With this guide, you'll get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from string handling and functional programming to network communication. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you're familiar with Java basics, this cookbook will bolster your knowledge of the language and its many recent changes, including how to apply

them in your day-to-day development. This updated edition covers changes through Java 12 and parts of 13 and 14. Recipes include: Methods for compiling, running, and debugging Packaging Java classes and building applications Manipulating, comparing, and rearranging text Regular expressions for string and pattern matching Handling numbers, dates, and times Structuring data with collections, arrays, and other types Object-oriented and functional programming techniques Input/output, directory, and filesystem operations Network programming on both client and server Processing JSON for data interchange Multithreading and

concurrency Using Java in big data applications Interfacing Java with other languages *Business Analytics* Springer Nature "Now in its seventh edition, this classic communication text retains the philosophy and tradition of the preceding editions. The seventh edition covers the latest treatment of digital communication systems. - Written as a textbook for junior or senior engineering students, it is also appropriate for an introductory graduate course."--Jacket. Maximum PC Packt Publishing Ltd The culture of contemporary medicine is the object of investigation in this book; the meanings and values implicit in biomedical knowledge and practice and the

social processes through which they are produced are examined through the use of specific case studies. The essays provide examples of how various facets of 20th century medicine, including education, research, the creation of medical knowledge, the development and application of technology, and day to day medical practice, are pervaded by a value system characteristic of an industrial-capitalistic view of the world in which the idea that science represents an objective and value free body of knowledge is dominant. The authors of the essays are sociologists and anthropologists (in almost equal numbers); also included are papers by

a social historian and by three physicians all of whom have steeped themselves in the social sciences and humanities. This cooperative endeavor, which has necessitated the breaking down of disciplinary barriers to some extent, is perhaps indicative of a larger movement in the social sciences, one in which there is a searching for a middle ground between grand theory and attempts at universal explanations on the one hand, and the context-specific empiricism and relativistic accounts characteristic of many historical and anthropological analyses on the other. *Student Resource and Solutions Manual for Zill and Cullen's Differential Equations*

with Boundary-value Problems Simon and Schuster

Includes 5 Free Bonuses As the owner of your own business you deal with problems on an almost daily basis. How problem solving is approached can dramatically affect the growth of your business. Although you find solutions to your problems, many businessmen and women are not really skilled in the methods of problem solving, and when solutions fail, they fault themselves for misjudgment. The problem is typically not misjudgment but rather a lack of skill. This guide instructs you in some techniques of problem solving. Crucial to the success of a business faced with problems is

your understanding of just what the problems are, defining them, finding solutions, and selecting the best solutions for the situations. This guide explains the following:
* How to identify a problem. * How to respond to it. * The different techniques and methods used in problem-solving. * How to find alternative solutions. * How to select the best solution for the situation. * Designing a Plan of Action. * How to implement the Plan of Action. * How to assess the success of the solution and the Plan of Action. My name is Meir Liraz and I'm the author of this book. According to Dun & Bradstreet, 90% of all business failures analyzed can be traced to poor management.

This is backed up by my own experience. In my 31 years as a business coach and consultant to businesses, I've seen practically dozens of business owners fail and go under -- not because they weren't talented or smart enough -- but because they were trying to re-invent the wheel rather than rely on proven, tested methods that work. And that is where this book can help, it will teach you how to avoid the common traps and mistakes and do everything right the first time. Get These 5 Free Bonuses (a Limited Time Offer) Place your order by the end of this month and I will also include instant download instructions for the following free gifts: #1 How to Be a Good Manager and

Leader; 120 Tips to improve your Leadership Skills (Leadership Video Guide). Learn how to improve your leadership skills and become a better manager and leader. Here's how to be the boss people want to give 200 percent for. #2 Small Business Management: Essential Ingredients for Success (eBook Guide) Discover scores of business management tricks, secrets and shortcuts. This Ebook guide does far more than impart knowledge - it inspires action. #3 How to Manage Yourself for Success; 90 Tips to Better Manage Yourself and Your Time (Self Management Video Guide) You are responsible for everything that happens in your life. In

this video you'll discover 90 powerful tips and strategies to better manage yourself for success. #4 80 Best Inspirational Quotes for Success (Motivational Video Guide) For this video we scanned thousands of motivational and inspirational quotes to bring you this collection of the best 80 motivational quotes for success in life. #5 Top 10 Habits to Adopt From Highly Successful People (Self Growth Video Guide) In this video you'll discover the top 10 habits of highly successful people that you can adopt and achieve success in your life. Troubleshooting iOS John Wiley & Sons Provides information

on fixing a variety of annoyances found in Windows XP, covering such topics as the Windows interface, Windows Explorer, multimedia, email, security, networking, setup, and hardware. Macworld Gower Publishing, Ltd. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

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