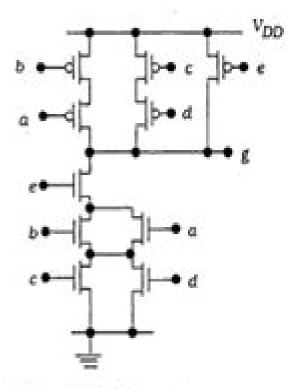
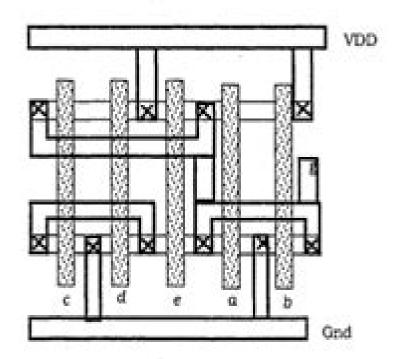
[3.16] The OAI function is

$$g = (a+b) \cdot (c+d) \cdot e$$

This is obtained from the CMOS circuit shown below. The placement of the inputs has be chosen to facilitate the layout.





Problem [3.16] Circuit

Chris Toumazou

Transistor-Level Layout of Integrated Circuits Jan Schneider, 2014-09-10 Description and analysis of algorithms for the transistor level layout of CMOS cells Integrated Circuit Design. Power and Timing Modeling, Optimization and Simulation Bertrand Hochet, Antonio J. Acosta, 2002-08-28 This book constitutes the refereed proceedings of the 12th International Workshop on Power and Timing Modeling Optimization and Simulation PATMOS 2002 held in Seville Spain in September 2002 The 37 revised full papers and 12 poster papers presented were carefully reviewed and selected from numerous submissions The papers are organized in topical sections on arithmetics low level modeling and characterization asynchronous and adiabatic techniques CAD tools and algorithms timing gate level modeling and design and communications modeling and activity reduction Physical Design for 3D Integrated Circuits Aida Todri-Sanial, Chuan Seng Tan, 2017-12-19 Physical Design for 3D Integrated Circuits reveals how to effectively and optimally design 3D integrated circuits ICs It also analyzes the design tools for 3D circuits while exploiting the benefits of 3D technology The book begins by offering an overview of physical design challenges with respect to conventional 2D circuits and then each chapter delivers an in depth look at a specific physical design topic This comprehensive reference Contains extensive coverage of the physical design of 2 5D 3D ICs and monolithic 3D ICs Supplies state of the art solutions for challenges unique to 3D circuit design Features contributions from renowned experts in their respective fields Physical Design for 3D Integrated Circuits provides a single convenient source of cutting edge information for those pursuing 2 5D 3D technology **Integrated Circuit and** System Design Enrico Macii, Vassilis Paliouras, Odysseas Koufopavlou, 2004-09-07 This book constitutes the refereed proceedings of the 14th International Workshop on Power and Timing Optimization and Simulation PATMOS 2004 held in Santorini Greece in September 2004 The 85 revised papers presented together with abstracts of 6 invited presentations were carefully reviewed and selected from 152 papers submitted. The papers are organized in topical sections on buses and communication circuits and devices low power issues architectures asynchronous circuits systems design interconnect and physical design security and safety low power processing digital design and modeling and simulation **Digital Integrated** Circuit Design Hubert Kaeslin, 2008-04-28 This practical tool independent guide to designing digital circuits takes a unique top down approach reflecting the nature of the design process in industry Starting with architecture design the book comprehensively explains the why and how of digital circuit design using the physics designers need to know and no more

High-Frequency Integrated Circuits Sorin Voinigescu,2013-02-28 A transistor level design intensive overview of high speed and high frequency monolithic integrated circuits for wireless and broadband systems from 2 GHz to 200 GHz this comprehensive text covers high speed RF mm wave and optical fibre circuits using nanoscale CMOS SiGe BiCMOS and III V technologies Step by step design methodologies end of chapter problems and practical simulation and design projects are provided making this an ideal resource for senior undergraduate and graduate courses in circuit design With an emphasis on

device circuit topology interaction and optimization it gives circuit designers and students alike an in depth understanding of device structures and process limitations affecting circuit performance Millimeter-Wave Integrated Circuits Mladen Božanić, Saurabh Sinha, 2020-03-16 This peer reviewed book explores the methodologies that are used for effective research design and innovation in the vast field of millimeter wave circuits and describes how these have to be modified to fit the uniqueness of high frequency nanoelectronics design Each chapter focuses on a specific research challenge related to either small form factors or higher operating frequencies. The book first examines nanodevice scaling and the emerging electronic design automation tools that can be used in millimeter wave research as well as the singular challenges of combining deep submicron and millimeter wave design It also demonstrates the importance of considering in the millimeter wave context system level design leading to differing packaging options Further it presents integrated circuit design methodologies for all major transceiver blocks typically employed at millimeter wave frequencies as these methodologies are normally fundamentally different from the traditional design methodologies used in analogue and lower frequency electronics Lastly the book discusses the methodologies of millimeter wave research and design for extreme or harsh environments rebooting electronics the additional opportunities for terahertz research and the main differences between the approaches taken in millimeter wave research and terahertz research Trade-Offs in Analog Circuit Design Chris Toumazou, 2004-08-03 As the frequency of communication systems increases and the dimensions of transistors are reduced more and more stringent performance requirements are placed on analog circuits This is a trend that is bound to continue for the foreseeable future and while it does understanding performance trade offs will constitute a vital part of the analog design process It is the insight and intuition obtained from a fundamental understanding of performance conflicts and trade offs that ultimately provides the designer with the basic tools necessary for effective and creative analog design Trade offs in Analog Circuit Design which is devoted to the understanding of trade offs in analog design is quite unique in that it draws together fundamental material from and identifies interrelationships within a number of key analog circuits The book covers ten subject areas Design methodology Technology General Performance Filters Switched Circuits Oscillators Data Converters Transceivers Neural Processing and Analog CAD Within these subject areas it deals with a wide diversity of trade offs ranging from frequency dynamic range and power gain bandwidth speed dynamic range and phase noise to tradeoffs in design for manufacture and IC layout The book has by far transcended its original scope and has become both a designer s companion as well as a graduate textbook An important feature of this book is that it promotes an intuitive approach to understanding analog circuits by explaining fundamental relationships and in many cases providing practical illustrative examples to demonstrate the inherent basic interrelationships and trade offs Trade offs in Analog Circuit Design draws together 34 contributions from some of the world's most eminent analog circuits and systems designers to provide for the first time a comprehensive text devoted to a very important and timely approach to analog circuit design **Circuit Design:** Know It All Darren Ashby, Bonnie Baker, Ian Hickman, Walt Kester, Robert Pease, Tim Williams, Bob Zeidman, 2011-04-19 The Newnes Know It All Series takes the best of what our authors have written to create hard working desk references that will be an engineer's first port of call for key information design techniques and rules of thumb Guaranteed not to gather dust on a shelf Electronics Engineers need to master a wide area of topics to excel The Circuit Design Know It All covers every angle including semiconductors IC Design and Fabrication Computer Aided Design as well as Programmable Logic Design A 360 degree view from our best selling authors Topics include fundamentals Analog Linear and Digital circuits The ultimate hard working desk reference all the essential information techniques and tricks of the trade in one volume **Process Variations** and Probabilistic Integrated Circuit Design Manfred Dietrich, Joachim Haase, 2011-11-20 Uncertainty in key parameters within a chip and between different chips in the deep sub micron area plays a more and more important role As a result manufacturing process spreads need to be considered during the design process Quantitative methodology is needed to ensure faultless functionality despite existing process variations within given bounds during product development This book presents the technological physical and mathematical fundamentals for a design paradigm shift from a deterministic process to a probability orientated design process for microelectronic circuits Readers will learn to evaluate the different sources of variations in the design flow in order to establish different design variants while applying appropriate methods and tools to evaluate and optimize their design

Embark on a transformative journey with is captivating work, Grab Your Copy of **Transistor Level Layout Of Integrated Circuits**. This enlightening ebook, available for download in a convenient PDF format, invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights.

https://ftp.barnabastoday.com/data/virtual-library/Documents/Xperia X10 Mini Pro User Manual.pdf

Table of Contents Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits

- 1. Understanding the eBook Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - The Rise of Digital Reading Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Personalized Recommendations
 - Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits User Reviews and Ratings

- Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits and Bestseller Lists
 Accessing Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Free and Paid eBooks
 - Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Public Domain eBooks
 - Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits eBook Subscription Services
 - Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Budget-Friendly Options
- 6. Navigating Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits eBook Formats
 - ∘ ePub, PDF, MOBI, and More
 - Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Compatibility with Devices
 - Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Highlighting and Note-Taking Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Interactive Elements Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
- 8. Staying Engaged with Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
- 9. Balancing eBooks and Physical Books Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits

- Benefits of a Digital Library
- Creating a Diverse Reading Collection Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Setting Reading Goals Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Fact-Checking eBook Content of Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - $\circ \ \ Integration \ of \ Multimedia \ Elements$
 - Interactive and Gamified eBooks

Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In todays fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information.

No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits PDF books and manuals is the internets largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning. By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start

exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits is one of the best book in our library for free trial. We provide copy of Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits. Where to download Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits online for free? Are you looking for Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches

related with Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits To get started finding Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits is universally compatible with any devices to read.

Find Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits:

xperia x10 mini pro user manual

yamaha 15 outboard manual
yamaha dgx200 dgx 200 dgx 202 dgx202 service manual
xkit maths for grade 12 copy
yamaha boat motor manuals 40hp
yamaha 115 hp 4 stroke service manual
yamaha 40 hp 2 stroke outboard for sale
yamaha 50 outboards service manual
yamaha 115tlrq service manual
xmax 125 manual

yabisi ciencias 2009 yale forklift manual nr045 yamaha 15 hp 4 stroke outboard owners manual yamaha atvs raptor 660 and 700 01 to 12 haynes service & repair manual yamaha atv 700 grizzly 2006 2012 factory service repair manual

Transistor Level Layout Of Integrated Circuits Transistor Level Layout Of Integrated Circuits:

Prometric Online Sample Test Prometric Online Tutorial. You are about to take the Prometric Online tutorial. This tutorial is a demonstration of how our computer-based test works. Prometric Sample Questions - CHARLES 1. A nurse is assessing a client 8 hours after the creation of a colostomy. 2. When admitting a client who is in labor to the birthing unit, a nurse asks the ... Nurse Aide Practice Exams Written Exam Practice Test. 3 different versions (50 questions with feedback, source material and textbook references) available for \$15 each; or; 1 SUPER ... Prometric Exam Questions | PrometricMCQ.com Dec 22, 2022 — We provide a wide range of Prometric Exam Questions (MCQs) to prepare for DHA Exam, DHCC Exam, Haad Exam and others for an affordable price. Practice Exams This is a practice test for the Washington Department of Health Certified Home Care Aide Exam. Each question is true false. One question contains an image ... Prometric Online Sample Test The Prometric ABO Online Exam Tutorial is an orientation to how the Prometric computer-based test (CBT) operates. Sample questions ... This online exam tutorial ... Prometric mock test questions 4 A. "It seems that way to me, too." B. "What is your perception of my behavior?" C. "Are you uncomfortable with what you were told?" D. "I'd rather not give my ... Prometric Exam Questions 2022 | Guidelines Jan 27, 2022 — MOH exams are basically computer-based. It will be multiplechoice questions in English. From the 4 options, you have to choose the proper one. I have a 2001 Daewoo Lanos. The engine revs is too fast. It Feb 22, 2008 — The first thing to do is to disconnect the idle air control valve. This is located on the side of the throttle body (where the throttle cable ... Daewoo Lanos Idle Rev issue Apr 1, 2010 — The car is a W reg. The problem is that the revs idle at around 1k, she says that when she is driving she can hear the revs going high even ... Daewoo Lanos high Idle speed Hi,. My Daewoo Lanos is having a problem with its idle speed being too high. At a standstill it idles at about 1600rpm, and can be a bit embarassing SOLVED: My daewoo lanos 1999 wont idle at the lights it Feb 23, 2011 — Remove the idle air control motor (IAC) and clean it well and the hole it comes out of with throttle body spray cleaner, or carburetor cleaner ... Daewoo Lanos Stalls: causes and solutions Hello, I have a Lanos and its problem is that it is always powerless and tends to stall. When turning the air conditioning on, this failure is even more ... Rough Idle: Hi Again Everyone, My Lanos ... May 21, 2009 — Hi Again everyone, my lanos idles very rough, doesn't stall, seems to lack power when driving, recently replaced plugs, leads, air filter ... My 2001 Daewoo has a rough idle after. Dec 30, 2012 — It shakes and studders a lot.

Sometimes the car stalls and I have to press the gas pedal in order for the car to keep running. After it warms up ... my 2001 daewoo lanos keeps dying when i come to a stop Jun 2, 2014 — I have Daewoo lanos 16v it can't start plugs firering timing is good i sprey gikstart meas start fluid nothing happen it doesn't have camshaft ... Daewoo Matiz Idle Woes - YouTube Daewoo Lanos Idle Air Control Valve Order Daewoo Lanos Idle Air Control Valve online today. Free Same Day Store Pickup. Check out free battery charging and engine diagnostic testing while you ... Action Has No Season: Strategies... by Roberts, J.D. ... This is a must read for leaders and entrepreneurs; an amazing book of proverbs for decision-making. Taking "action" is the central theme, but the book ... Action Has No Season 2.0: How the Actionaire Develops ... Dr. Roberts reveals how the Actionaire lays the foundation of their future vision by setting goals, having the courage to take risks, and by showing others ... Action Has No Season by Michael V. Roberts J. D., ... This is a must read for leaders and entrepreneurs; an amazing book of proverbs for decision-making. Taking 'action' is the central theme, but the book. Action Has No Season 2.0 Oct 6, 2019 — Widely acclaimed as one of America's leading and most influential businessmen, Dr. Michael V. Roberts, Sr. returns with his innovative ... Action Has No Season - J. D. Michael V. Roberts This is a must read for leaders and entrepreneurs; an amazing book of proverbs for decision-making. Taking "action" is the central theme, ... Action Has No Season book by Michael V. Roberts Buy a cheap copy of Action Has No Season book by Michael V. Roberts. This is a must read for leaders and entrepreneurs; an amazing book of proverbs for ... Action Has No Season: Strategies and Secrets to Gaining ... This is a must read for leaders and entrepreneurs; an amazing book of proverbs for decision-making. Taking 'action' is the central theme, but the book. Action Has No Season 2.0: How the Actionaire Develops ... Oct 7, 2019 — With Action Has No Season 2.0, Dr. Roberts explains how to develop the infinite possibilities that define your personal life and business and ... Excerpt from "Action has no season" by Michael V. Roberts ... On the surface of the corporate world, everyone must peacefully, coexist with each other; therefore, everything must appear conventional, politically correct, ... Delores Talley Roberts - Action Has No Season Action Has No Season. 506 likes. Widely acclaimed as one of America's leading and most influential businessmen, Dr. Michael V. Robe.