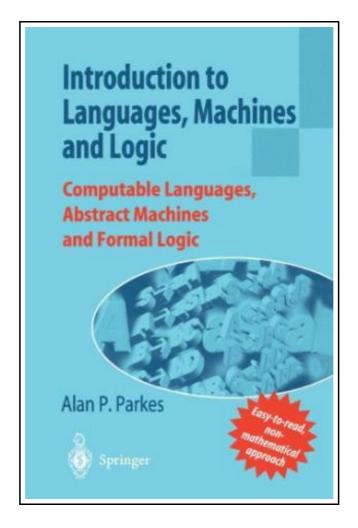
# Introduction to Languages, Machines and Logic



Filesize: 3.42 MB

# Reviews

If you need to adding benefit, a must buy book. It really is writter in straightforward words and phrases rather than difficult to understand. Your life period is going to be change the instant you total reading this ebook.

(Letha Okuneva)

## INTRODUCTION TO LANGUAGES, MACHINES AND LOGIC



Book Condition: New. Publisher/Verlag: Springer, Berlin | Computable Languages, Abstract Machines and Formal Logic | This book provides an accessible introduction to three key topics within computer science: formal languages, abstract machines and formal logic. It is written in an easy-to-read, informal style and assumes only a basic knowledge of programming on the part of the reader. The approach is deliberately nonmathematical and features: - Clear explanations of formal notation and jargon - Extensive use of examples to illustrate algorithms and proofs - Pictorial representations of key concepts - Lots of end-of-chapter exercises Introduction to Languages, Machines and Logic is suitable for use on courses covering formal languages, formal logic, computability and automata theory. It will also make an excellent supplementary text for courses on algorithm complexity and compilers. | 1 Introduction.- Overview.- What This Book Is About.- What This Book Tries to Do.- What This Book Tries Not to Do.- The Exercises.- Further Reading.- Some Advice.- 1 Languages and Machines.- 2 Elements of Formal Languages.- Overview.- Alphabets.- Strings.- Functions that Apply to Strings.-Useful Notation for Describing Strings.- Formal Languages.- Methods for Defining Formal Languages.- Set Definitions of Languages.- Decision Programs for Languages.- Rules for Generating Languages.- Formal Grammars.- Grammars, Derivations, and Languages.- The Relationship Between Grammars and Languages.-Phrase Structure Grammars and the Chomsky Hierarchy.- Formal Definition of PSGs.- Derivations, Sentential Forms, Sentences, and "L(G)".- The Chomsky Hierarchy.- A Type 0 Grammar: Computation as Symbol Manipulation.- Exercises.- 3 Syntax, Semantics, and Ambiguity.- Overview.- Syntax Vs. Semantics.- Derivation Trees.- Parsing.- Ambiguity.- Exercises.- 4 Regular Languages and Finite State Recognisers.- Overview.- Regular Grammars.- Some Problems with Grammars.- Finite State Recognisers and Finite State Generators.- Creating an FSR.- The Behaviour of the FSR.- The FSR as Equivalent to the Regular Grammar.- Non-determinism in FSRs.-Constructing Deterministic FSRs.- The DFSR as Equivalent...

- Read Introduction to Languages, Machines and Logic Online
- Download PDF Introduction to Languages, Machines and Logic

## Relevant Kindle Books



#### Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years...

Read PDF »



#### Depression: Cognitive Behaviour Therapy with Children and Young People

Taylor Francis Ltd, United Kingdom, 2009. Paperback. Book Condition: New.  $242 \times 174$  mm. Language: English . Brand New Book. In recent years there has been an increase in research into childhood depression, and it...

Read PDF »



#### **EU Law Directions**

Oxford University Press, United Kingdom, 2014. Paperback. Book Condition: New. 4th ed.. 242 x 188 mm. Language: English . Brand New Book. With a readable and modern writing style, EU Law Directions clearly explains the...

Read PDF »



# Design Collection Revealed: Adobe InDesign CS6, Photoshop CS6 Illustrator CS6

Cengage Learning, Inc, United States, 2012. Paperback. Book Condition: New. 236 x 190 mm. Language: English . Brand New Book. THE DESIGN COLLECTION REVEALED provides comprehensive step-by-step instruction and in-depth explanation for three of today...

Read PDF »



#### Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a...

Read PDF »