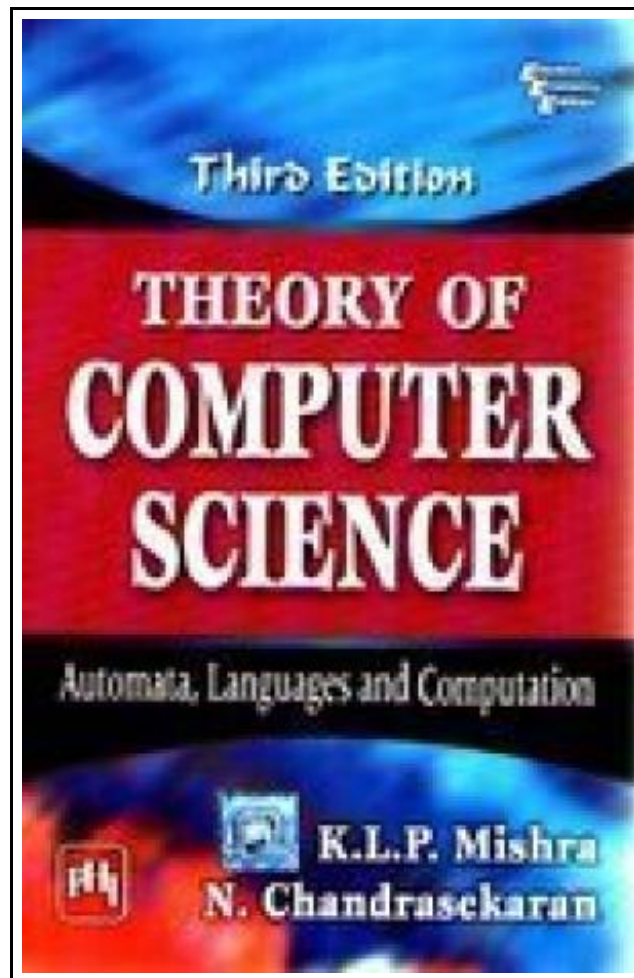


Theory of Computer Science: Automata, Languages and Computation, (Third Edition)



Filesize: 3.13 MB

Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.

(Kade Ankunding)

THEORY OF COMPUTER SCIENCE: AUTOMATA, LANGUAGES AND COMPUTATION, (THIRD EDITION)

DOWNLOAD



To read **Theory of Computer Science: Automata, Languages and Computation, (Third Edition)** PDF, you should follow the button below and save the file or gain access to other information which are related to THEORY OF COMPUTER SCIENCE: AUTOMATA, LANGUAGES AND COMPUTATION, (THIRD EDITION) ebook.

PHI Learning, 2009. Softcover. Book Condition: New. 3rd edition. This Third Edition, in response to the enthusiastic reception given by academia and students to the previous edition, offers a cohesive presentation of all aspects of theoretical computer science, namely automata, formal languages, computability, and complexity. Besides, it includes coverage of mathematical preliminaries. NEW TO THIS EDITION ? Expanded sections on pigeonhole principle and the principle of induction (both in Chapter 2) ? A rigorous proof of Kleene's theorem (Chapter 5) ? Major changes in the chapter on Turing machines (TMs) ? A new section on high-level description of TMs ? Techniques for the construction of TMs ? Multitape TM and nondeterministic TM ? A new chapter (Chapter 10) on decidability and recursively enumerable languages ? A new chapter (Chapter 12) on complexity theory and NP-complete problems ? A section on quantum computation in Chapter 12. ? KEY FEATURES ? Objective-type questions in each chapter?with answers provided at the end of the book. ? Eighty-three additional solved examples?added as Supplementary Examples in each chapter. ? Detailed solutions at the end of the book to chapter-end exercises. The book is designed to meet the needs of the undergraduate and postgraduate students of computer science and engineering as well as those of the students offering courses in computer applications. CONTENTS: Preface. Notations. 1. Propositions and Predicates. 2. Mathematical Preliminaries. 3. The Theory of Automata. 4. Formal Languages. 5. Regular Sets and Regular Grammars. 6. Context-Free Languages. 7. Pushdown Automata. 8. LR(k) Grammars. 9. Turing Machines and Linear Bounded Automata. 10. Decidability and Recursively Enumerable Languages. 11. Computability. 12. Complexity. Answers to Self-Tests. Solutions (or Hints) to Chapter-end Exercises. Further Reading. Index. Printed Pages: 436.

 [Read Theory of Computer Science: Automata, Languages and Computation, \(Third Edition\) Online](#)

 [Download PDF Theory of Computer Science: Automata, Languages and Computation, \(Third Edition\)](#)

You May Also Like



[PDF] Genuine entrepreneurship education (secondary vocational schools teaching book) 9787040247916(Chinese Edition)

Click the web link under to download and read "Genuine entrepreneurship education (secondary vocational schools teaching book) 9787040247916(Chinese Edition)" document.

[Save PDF »](#)



[PDF] Words and Rhymes for Kids: A Fun Teaching Tool for High Frequency Words and Word Families (Paperback)

Click the web link under to download and read "Words and Rhymes for Kids: A Fun Teaching Tool for High Frequency Words and Word Families (Paperback)" document.

[Save PDF »](#)



[PDF] The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

Click the web link under to download and read "The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)" document.

[Save PDF »](#)



[PDF] The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds

Click the web link under to download and read "The Trouble with Trucks: First Reading Book for 3 to 5 Year Olds" document.

[Save PDF »](#)



[PDF] Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Click the web link under to download and read "Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age" document.

[Save PDF »](#)



[PDF] How to Make a Free Website for Kids (Paperback)

Click the web link under to download and read "How to Make a Free Website for Kids (Paperback)" document.

[Save PDF »](#)