1. Record Nr.   UNINA9910480043703321

   Autore   Kozen Dexter C

   Titolo   Automata and Computability [[electronic resource] /] / by Dexter C.
                       Kozen

   Pubbl/distr/stampa New York, NY : , : Springer New York : , : Imprint : Springer, , 1997

   ISBN   1-4612-7309-9
                       1-4612-1844-6

   Edizione   [1st ed. 1997.]

   Descrizione fisica 1 online resource (XIII, 400 p.)

   Collana   Undergraduate Texts in Computer Science

   Disciplina   511.3

   Soggetti   Computers
                       Algorithms
                       Computation by Abstract Devices
                       Algorithm Analysis and Problem Complexity

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Bibliographic Level Mode of Issuance: Monograph

   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Lectures -- 1 Course Roadmap and Historical Perspective -- 2 Strings
                       and Sets -- 3 Finite Automata and Regular Sets -- 4 More on Regular
                       Sets -- 5 Nondeterministic Finite Automata -- 6 The Subset
                       Construction -- 7 Pattern Matching -- 8 Pattern Matching and Regular
                       Expressions -- 9 Regular Expressions and Finite Automata -- A Kleene
                       Algebra and Regular Expressions -- 10 Homomorphisms -- 11
                       Limitations of Finite Automata -- 12 Using the Pumping Lemma -- 13
                       DFA State Minimization -- 14 A Minimization Algorithm -- 15 Myhill—
                       Nerode Relations -- 16 The Myhill—Nerode Theorem -- B Collapsing
                       Nondeterministic Automata -- C Automata on Terms -- D The Myhill—
                       Nerode Theorem for Term Automata -- 17 Two-Way Finite Automata
                       -- 18 2DFAs and Regular Sets -- 19 Context-Free Grammars and
                       Languages -- 20 Balanced Parentheses -- 21 Normal Forms -- 22 The
                       Pumping Lemma for CFLs -- 23 Pushdown Automata -- E Final State
                       Versus Empty Stack -- 24 PDAs and CFGs -- 25 Simulating NPDAs by
                       CFGs -- F Deterministic Pushdown Automata -- 26 Parsing -- 27 The
                       Cocke—Kasami—Younger Algorithm -- G The Chomsky—
                       Schützenberger Theorem -- H Parikh's Theorem -- 28 Turing Machines
                       and Effective Computability -- 29 More on Turing Machines -- 30

Sommario/riassunto	The aim of this textbook is to provide undergraduate students with an introduction to the basic theoretical models of computability, and to develop some of the model's rich and varied structure. Students who have already some experience with elementary discrete mathematics will find this a well-paced first course, and a number of supplementary chapters introduce more advanced concepts. The first part of the book is devoted to finite automata and their properties. Pushdown automata provide a broader class of models and enable the analysis of context-free languages. In the remaining chapters, Turing machines are introduced and the book culminates in discussions of effective computability, decidability, and Gödel's incompleteness theorems. Plenty of exercises are provided, ranging from the easy to the challenging. As a result, this text will make an ideal first course for students of computer science.

2.	Record Nr.	UNISALENTO991000526619707536
	Autore	Maynard, H. B.
	Titolo	Lo studio dei metodi di lavorazione e la determinazione dei tempi : procedimento M.T.M / H.B. Maynard, G.J. Stegemerten, J.L. Schwab
	Pubbl/distr/stampa	Milano : Edizioni di Comunità, 1955
	Descrizione fisica	XII,318 p. : ill. ; 25 cm.
	Altri autori (Persone)	Stegemerten, G. J.
		Schwab, Joseph L.
	Disciplina	658.542
	Soggetti	Produzione - Organizzazione
		Tempi di lavoro - Misurazioni
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Tit. orig.: Methods-time measurement
		Trad. di Carlo Ghiglieno