Introducing the Theory of Computation (Jones & Bartlett Student Edition)

By Wayne Goddard

Jones & Bartlett India Private Limited/Viva Books, 2010. Softcover. Book Condition: New. Introducing the Theory of Computation is the ideal text for any undergraduate, introductory course on formal languages, automata, and computability. The author provides a concise, yet complete, introduction to the important models of finite automata, grammars, and Turing machines, as well as to undecidability and the basics of complexity theory. Numerous problems, varying in level of difficulty, round out each chapter and allow students to test themselves on key topics. Answers to selected exercises are included as an appendix and a complete instructor?s solutions manual is available on the text?s website. Key features: ? Provides a concise introduction to core topics taught in a single semester Theory of Computation or Automata Theory course. ? Incorporates an engaging, student-friendly writing style and moves through material at a pace appropriate for undergraduate students. ? Numerous exercise sets throughout the text allow students to test themselves on the key material at hand before moving on to more difficult topics. Contents: Part 1: Regular Languages ? Chapter 1 ? Finite Automata ? A finite automaton has states ? Building FAs ? Representing FAs ? Exercises ? Chapter 2 ? Regular Expressions ?...

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