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Sajjan G. Shiva, 2000 This unique and proven text provides a hands on introduction to the design of a computer system depicting step by step the arrangement of a simple but complete hypothetical computer followed by detailed architectural features of existing computer systems as enhancements to the structure of the simple computer Changes in the Third Edition of Computer Design and Architecture include updates to reflect contemporary organizations and devices new technologies and devices in combinatorial and integrated circuits new technologies in sequential circuits new technologies in memory and storage the latest architecture examples contemporary memory hierarchy concepts Ideal for one or two semester courses With end of chapter summaries references and problems as well as over 250 drawings and tables Computer Design and Architecture Third Edition is a classroom tested text for upper level undergraduate and graduate students in electrical and computer engineering and computer science taking design courses such as Computer Systems Design Computer Hardware Design Computer Architecture Computer Organization and Assembly Language Programming Computer Organization and Design MIPS Edition David Patterson, John Hennessy, 2020-12-04 **The Essence of Logic Circuits** Stephen H. Unger, 1997 Today designing a state of the art circuit means knowing how to pack more and more logic on a chip Featuring an extensive introductory material this complete carefully organized guide brings you valuable information on designing modern logic circuits from gates switches and other basic elements to meet the rising demands on modern circuit technology THE ESSENCE OF LOGIC CIRCUITS allows computer scientists and students to start from scratch and gain a comprehensive understanding of most important topics in the field Subject Guide to Books in Print, 2001 The New Encyclopædia Britannica: Macropædia, 1993 This encyclopedia includes a two volume index a 12 volume Micropaedia Ready reference a 17 volume Macropaedia Knowledge in depth and the Propaedia *Recording for the Blind & Dyslexic, ... Catalog of Books*, 1996

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