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WebThis is a book about algorithms for performing arithmetic, and their imple-mentation on modern computers. We are concerned with software more than hardware – we do not cover computer architecture or the design of computer hardware since good books are already available on these topics. Instead, we

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WebThe book consists of five parts, the first two of which present a rigorous exposition of the general theory based on the first principles of arithmetic. Part I covers bit vectors and the bit manipulation primitives, integer and fixed-point encodings, and bit-wise logical operations.

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WebCSE 140: Computer Arithmetic Algorithms and Hardware Design Instructor: Prof. Chung-Kuan Cheng Lecture 19: Floating Point Numbers. 2 Motivation Maximal information with given bit ... Computer Arithmetic, second edition, Oxford, 2010 Israel Koren, Computer Arithmetic Algorithms, second edition, A K Peters, Ltd., 2002 24.

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