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Sommario/riassunto	Covers the standard topics of information theory, including entropy, data compression, channel capacity, rate distortion, multi-user theory and hypothesis testing, presenting applications in communications, statistics, complexity theory and investment. "The latest edition of this classic is updated with new problem sets and material The Second Edition of this fundamental textbook maintains the book's tradition of clear, thought-provoking instruction. Readers are provided once again with an instructive mix of mathematics, physics, statistics, and information theory. All the essential topics in information theory are covered in detail, including entropy, data compression, channel capacity, rate distortion, network information theory, and hypothesis testing. The authors provide readers with a solid understanding of the underlying theory and applications. Problem sets and a telegraphic summary at the end of each chapter further assist readers. The historical notes that follow each chapter recap the main points. (Fonte: editore)