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A reader-friendly introduction to modern algebra with important examples from various areas of mathematics. Featuring a clear and concise approach, *An Introduction to Essential Algebraic Structures* presents an integrated approach to basic concepts of modern algebra and highlights topics that play a central role in various branches of mathematics. The authors discuss key topics of abstract and modern algebra including sets, number systems, groups, rings, and fields. The book begins with an exposition of the elements of set theory and moves on to cover the main ideas and branches of abstract algebra.

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