Algorithmic Strategies for Solving Complex Problems in Cryptography

Part of the Advances in Information Security, Privacy, and Ethics Book Series

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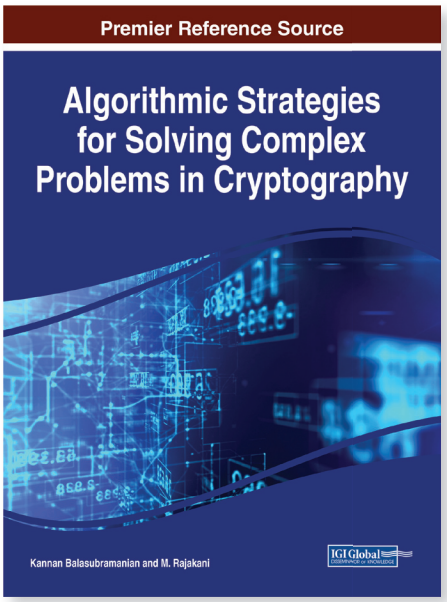

Description:

Cryptography is a field that is constantly advancing, due to exponential growth in new technologies within the past few decades. Applying strategic algorithms to cryptic issues can help save time and energy in solving the expanding problems within this field.

Algorithmic Strategies for Solving Complex Problems in Cryptography is an essential reference source that discusses the evolution and current trends in cryptology, and it offers new insight into how to use strategic algorithms to aid in solving intricate difficulties within this domain. Featuring relevant topics such as hash functions, homomorphic encryption schemes, two party computation, and integer factoring, this publication is ideal for academicians, graduate students, engineers, professionals, and researchers interested in expanding their knowledge of current trends and techniques within the cryptology field.

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Topics Covered:

- Digital Signature Algorithms
- Hash Functions
- Homomorphic Encryption Schemes
- Integer Factoring
- Multiparty Computation
- Multiprecision Algorithms
- Public Key Encryption
- Quadratic Sieve Algorithm
- Two Party Computation

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