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components of many mathematical theories. Leading experts in all areas of combinatorics have contributed to this book. The Handbook of Combinatorics provides the working mathematician and computer scientist with an excellent overview of basic methods and paradigms. The book also covers important results and discusses current trends and issues across the whole spectrum of combinatorics. It is hoped that even specialists in the field will benefit from reading this handbook by learning a leading expert's coherent and individual view of the topic.

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1997. Miklós is the author of four books and more than 65 research articles, including the award-winning Combinatorics of Permutations. Miklós Bóna is an editor-in-chief for the Electronic Journal of Combinatorics and Series Editor of the Discrete Mathematics and Its Applications Series for CRC Press/Chapman and Hall. The first two chapters provide a comprehensive overview of the most frequently used methods in combinatorial enumeration, including algebraic, geometric, and analytic methods. These chapters survey generating functions, methods from linear algebra, partially ordered sets, polytopes, hyperplane arrangements, and matroids. Subsequent chapters illustrate applications of these methods for counting a wide array of objects. The contributors for this book represent an international spectrum of researchers with strong

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Bibliography Index Biography  
Aaron Robertson received his  
Ph.D. in mathematics from  
Temple University under the

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guidance of his advisor Doron Zeilberger. Upon finishing his Ph.D. he started at Colgate University in upstate New York where he is currently Professor of Mathematics. He also serves as Associate Managing editor of the journal Integers. After a brief detour into the world of permutation patterns, he has focused most of his research on Ramsey theory.

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