

Notation	p. xxiii
Mathematical Preliminaries	p. 1
The Ring of Formal Power Series	p. 1
The Lagrange Theorem for Implicit Functions	p. 15
The Combinatorics of the Ordinary Generating Function	p. 29
Introduction	p. 29
The Elementary Counting Lemmas	p. 31
Preliminary Examples	p. 48
Sequences	p. 62
Partitions of an Integer	p. 80
Inversions in Permutations and q-Identities	p. 96
Planted Plane Trees	p. 109
Sequences with Distinguished Substrings	p. 128
Rooted Planar Maps and the Quadratic Method	p. 138
The Combinatorics of the Exponential Generating Function	p. 158
Introduction	p. 158
The Elementary Counting Lemmas	p. 160
Trees and Cycles in Permutations and Functions	p. 170
2-Covers of a Set and Homeomorphically Irreducible Labeled Graphs	p. 197
Coefficient Extraction for Symmetric Functions	p. 213
The Combinatorics of Sequences	p. 230
Introduction	p. 230
The Maximal String Decomposition Theorem	p. 231
The Pattern Algebra	p. 243
The Logarithmic Connection for Circular Permutations	p. 268
Permanents and Absolute Problems	p. 281
The Combinatorics of Paths	p. 290
Introduction	p. 290
Weighted Paths	p. 291
Lattice Paths	p. 313
Ordered Sets of Paths	p. 322
A q-Analogue of the Lagrange Theorem	p. 330
Solutions	p. 339
Chapter 1	p. 339
Chapter 2	p. 350
Chapter 3	p. 414
Chapter 4	p. 457
Chapter 5	p. 513
References	p. 542
Index	p. 553

Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.