

Exam II Review

Spring 2022

The following topics might show up on exam 2:

1. Binomial Theorem
2. Multinomial Theorem
3. Taylor expansion of $(1 + x)^a$
4. Basic concepts in ordinary generating functions
5. Basic ways to manipulate ordinary generating functions
6. Computing products of ordinary generating functions and combinatorial interpretation
7. Catalan numbers
8. Combinatorial interpretation of composition of ordinary generating functions
9. Basics of exponential generating functions
10. Basic manipulations of exponential generating functions
11. Products of exponential generating functions and combinatorial interpretation
12. Compositions of exponential generating functions and combinatorial interpretation