

HW 1 - Math 5800 - Fall 2025

Below “Stanley” refers to Chapter 1 of Stanley’s Enumerative Combinatorics, Volume 1, second edition and ”The q,t-Catalan Numbers” book refers to the book on my webpage.

1. (Stanley #3a and 3b)
2. (Stanley #5)
3. (Exercise 1.5 on page 6 of the ”q,t-Catalan Numbers” book.)
4. (Stanley #26)
5. (Stanley #29)