Review:

- · Combinatorial Proofs
 - La Idea: you can show that two expressions are equal if you show that they count the same set.
 - . Find a set with f(n) elements
 - · Count the same set in a different way to show that has g(n) elements.
 - · Then f(n) = g(n) be they count the same set.

Ly Tips:

- · If you see a summation \sum , think casework
 - · If you see an exponentiation, think sequence of independent choices.
 - · Start with the side that looks simpler