

Hint for Problem 191

If this problem appears difficult, the most likely reason is because the definitions are all new and symbolic. Focus on what it means for $\sum_{k=0}^{\infty} c_k x^k$ to be the generating function for ordered pairs of total value k . In particular, how do we get an ordered pair with total value k ? What do we need to know about the values of the components of the ordered pair?