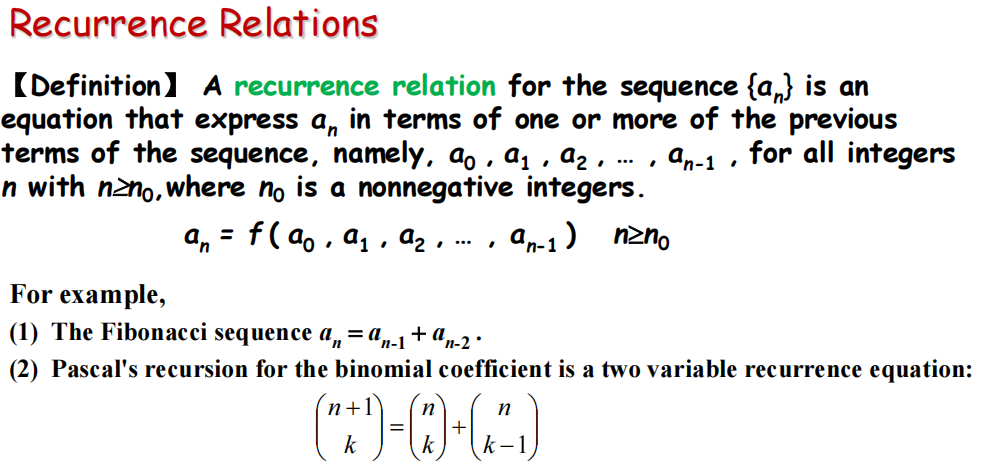
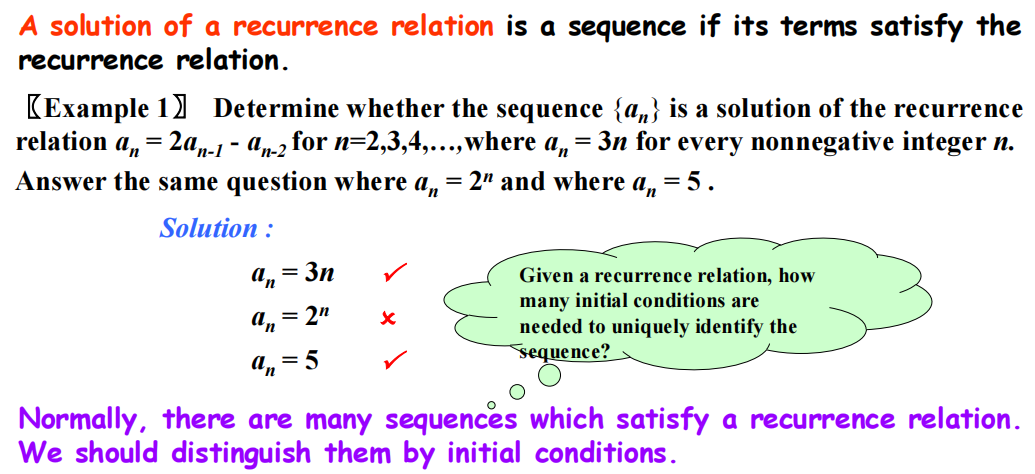
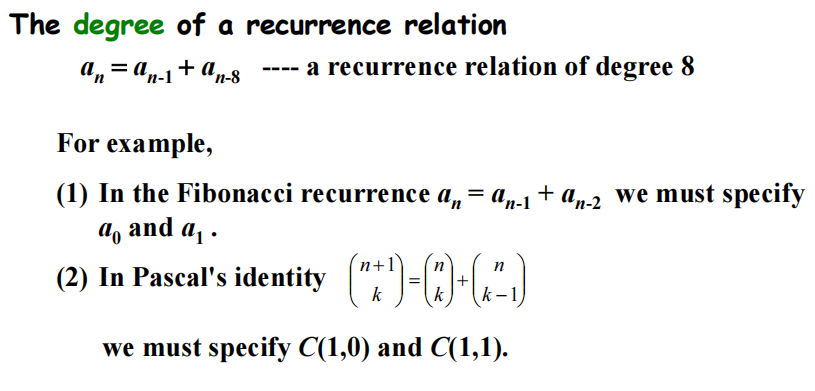
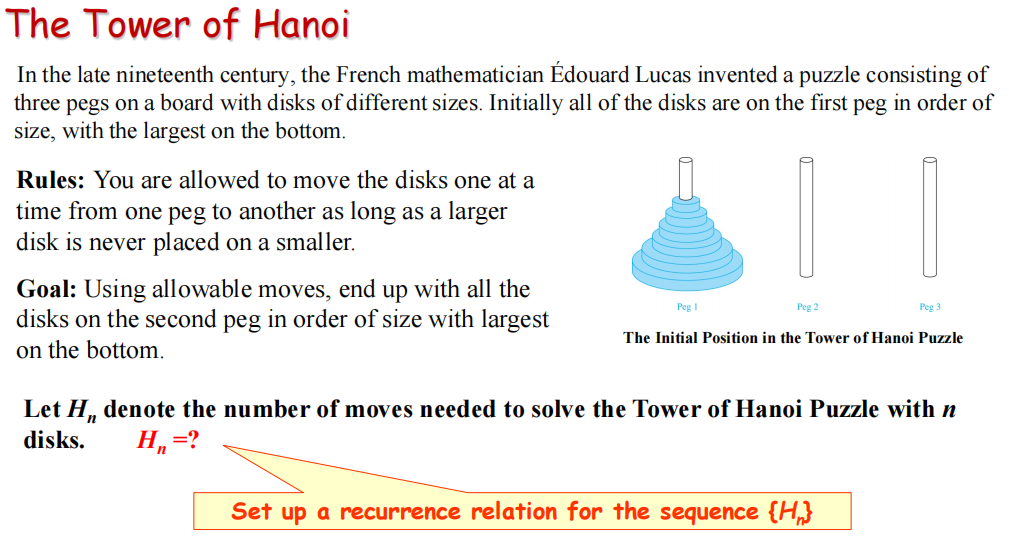
**（8.1）Applications of Recurrence**

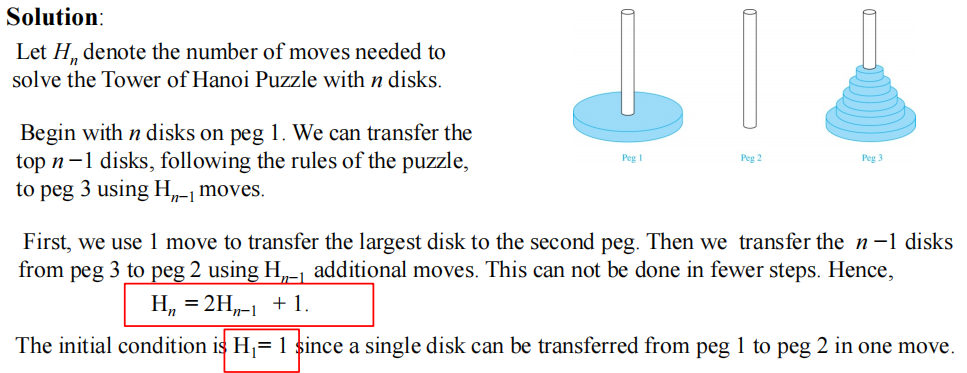
**Relations**

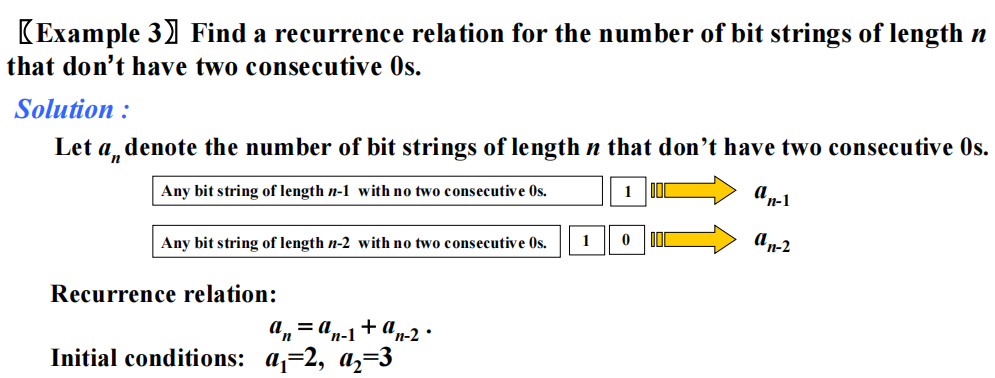








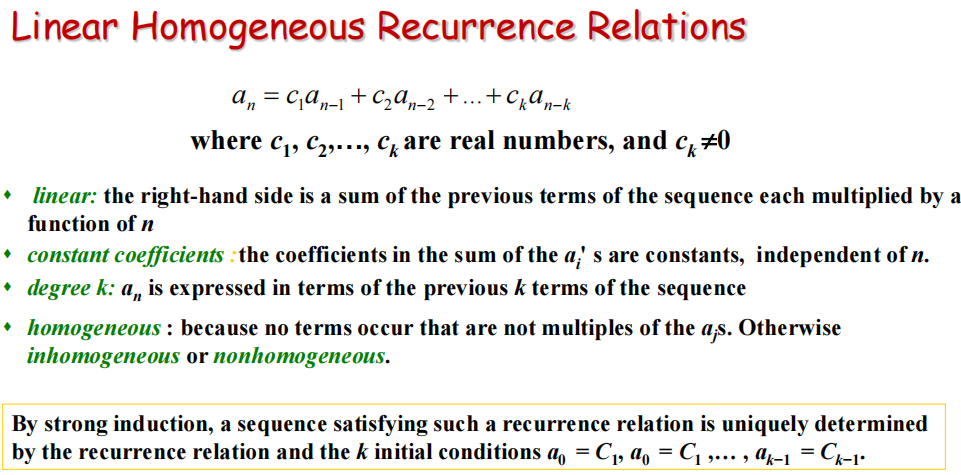


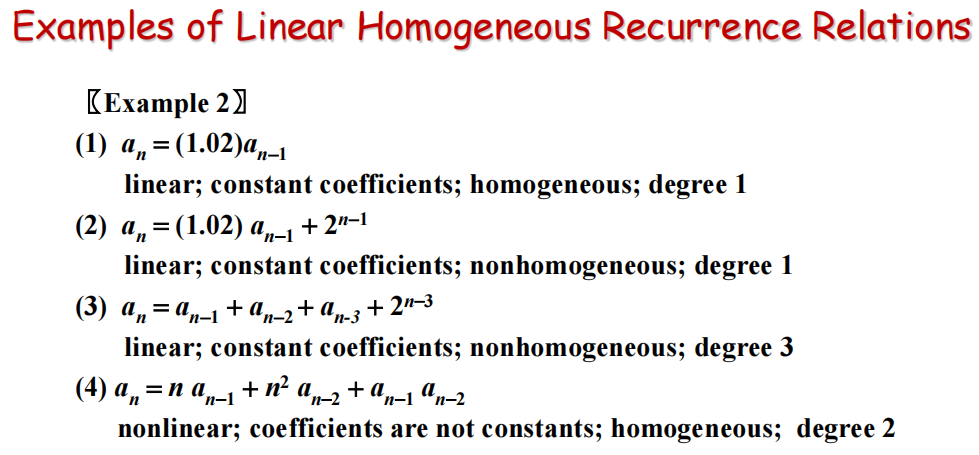


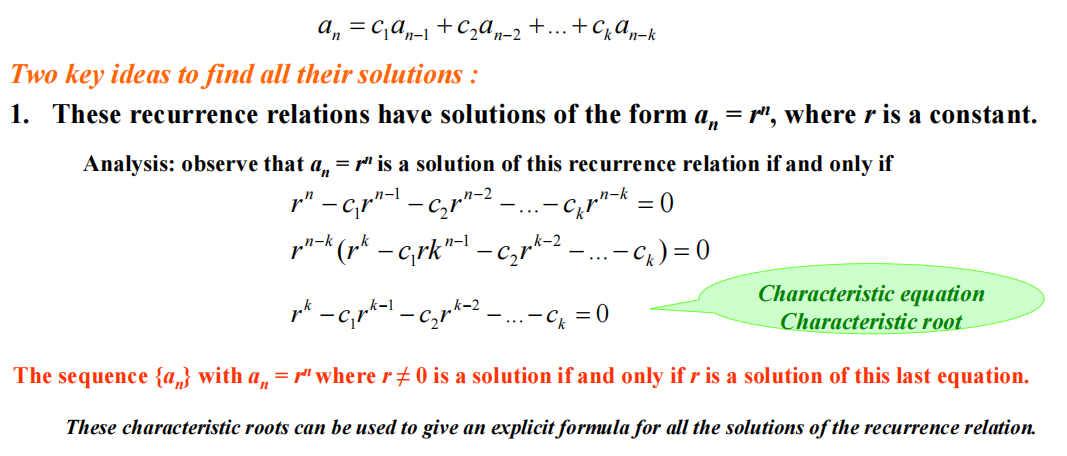
**（8.2）Solving Linear Recurrence**

**Relations**

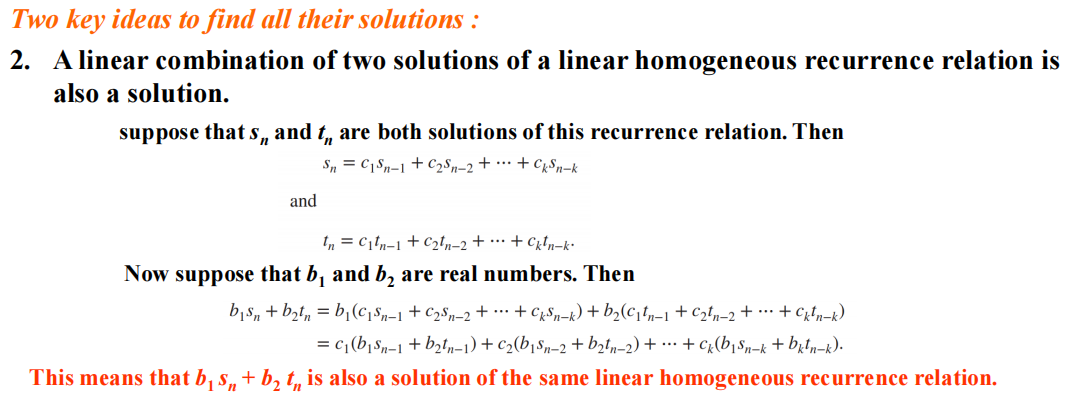
Linear Homogeneous Recurrence Relations（线性齐次递推关系）

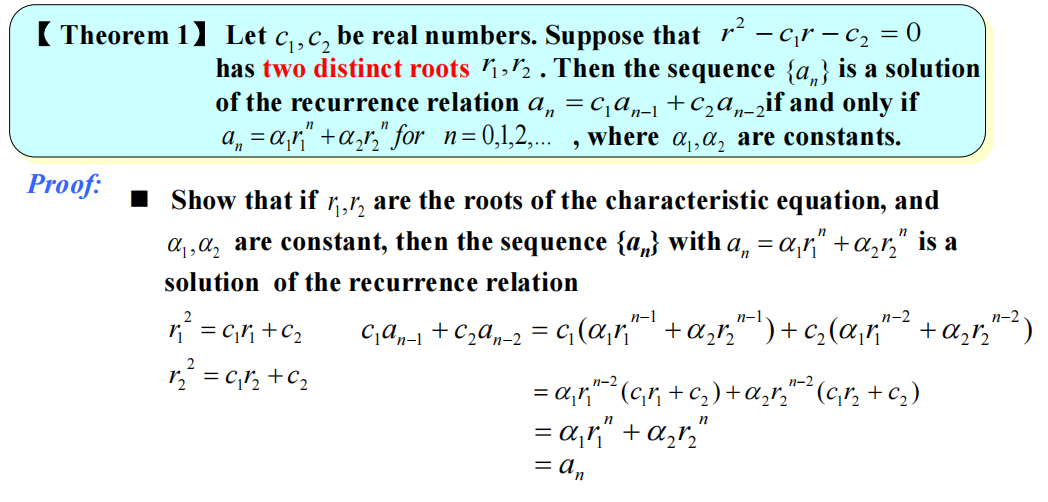


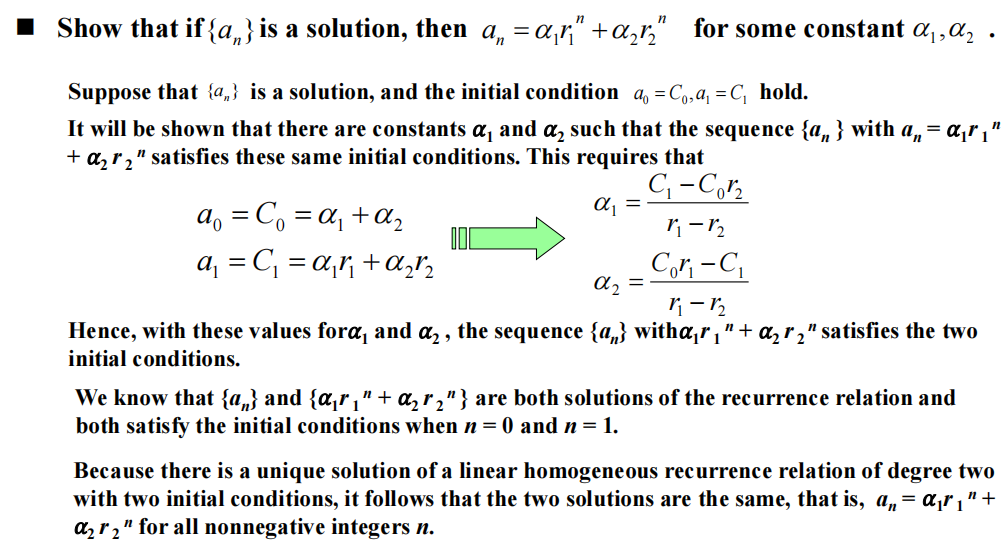


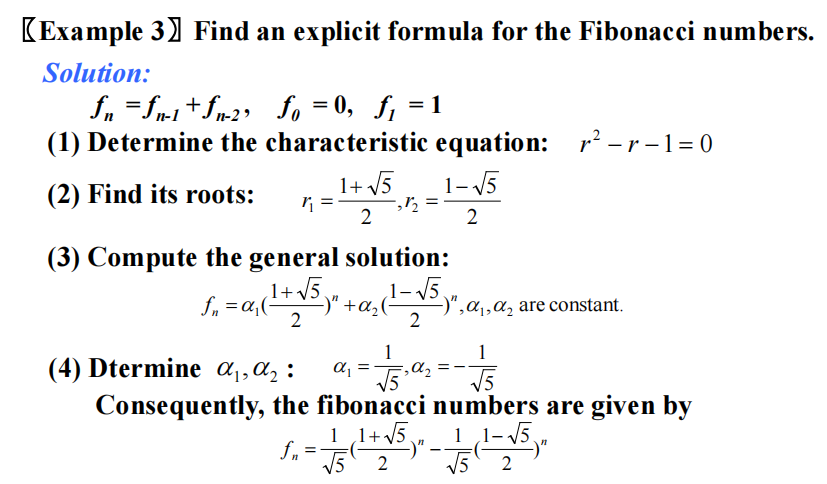


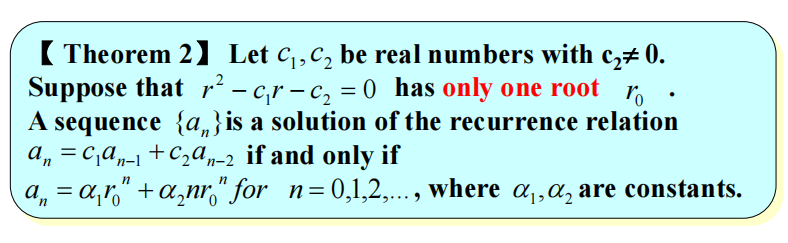
***characteristic root（特征根）***

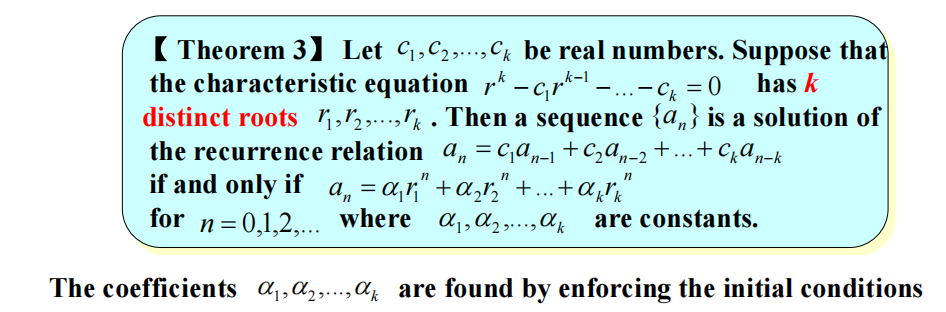


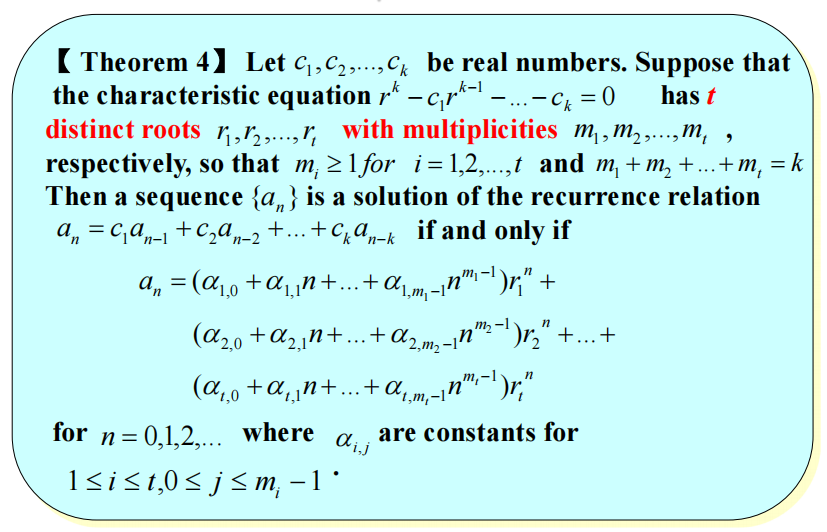


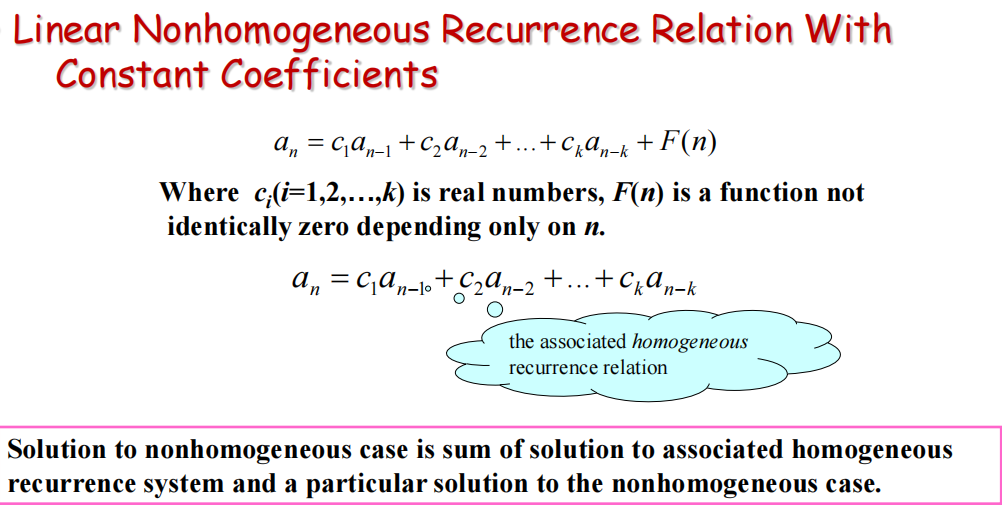


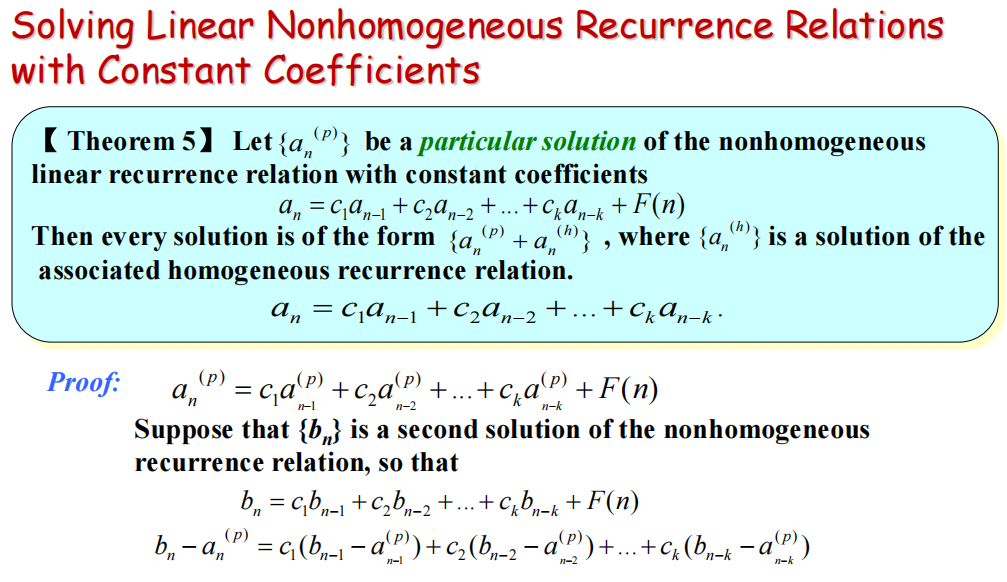


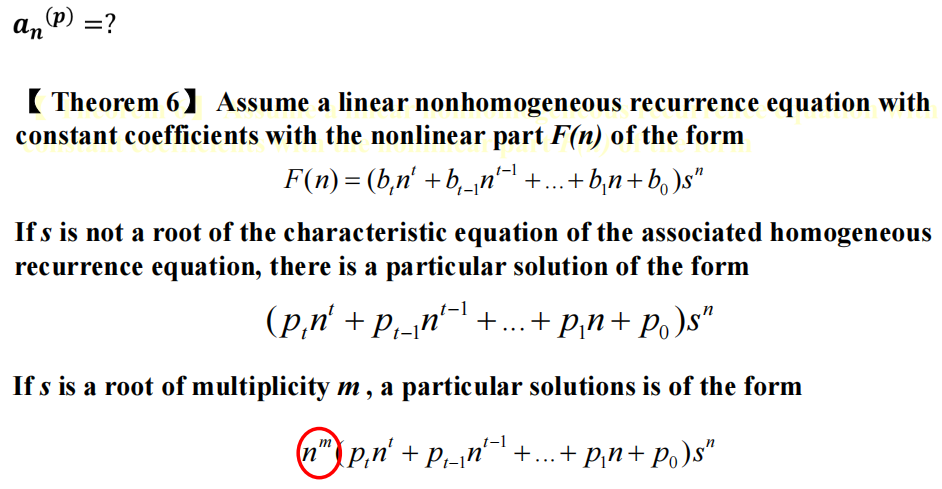


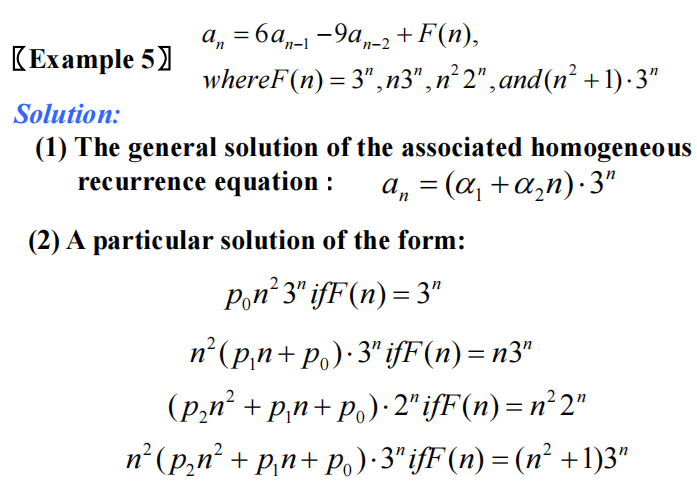


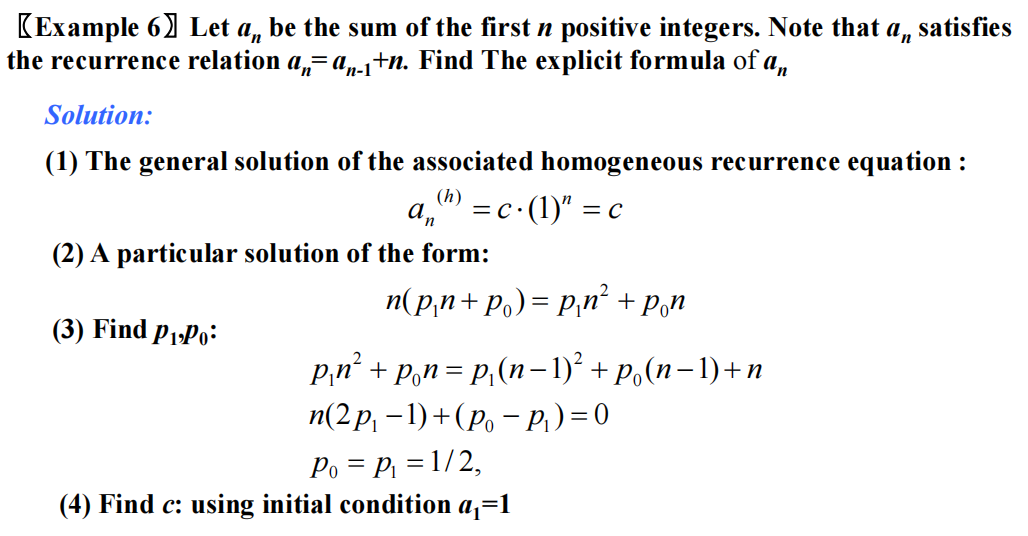




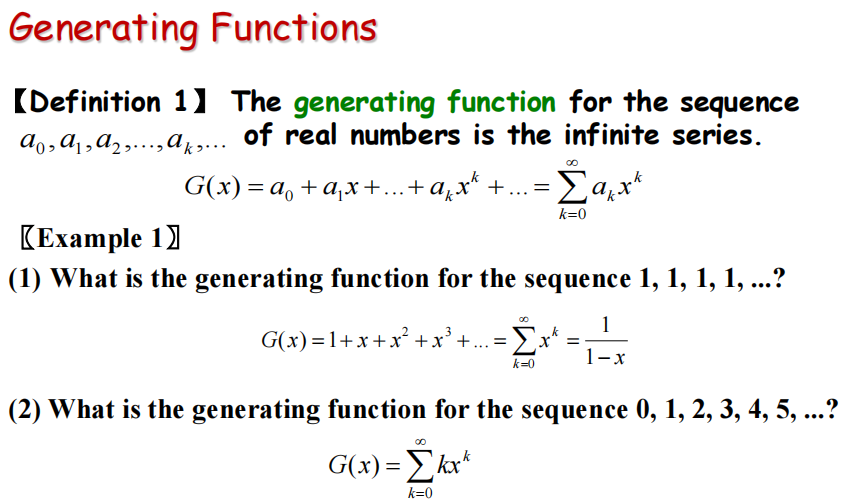


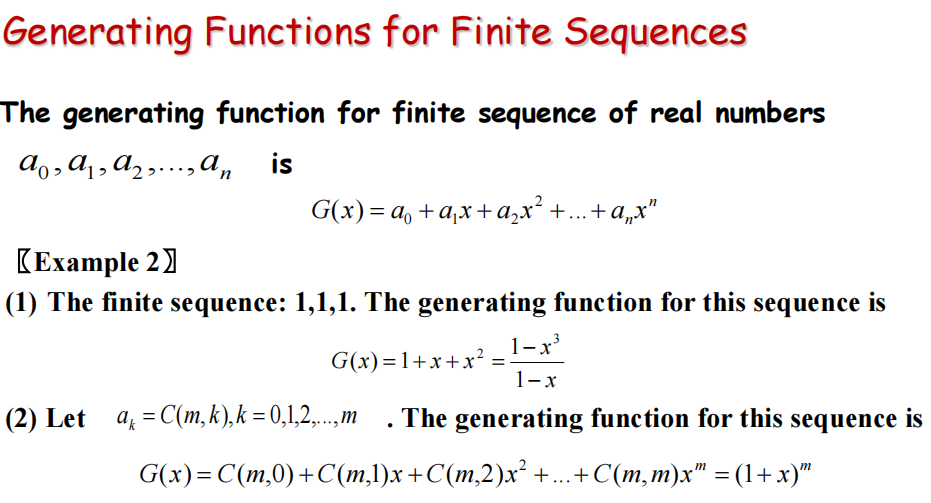




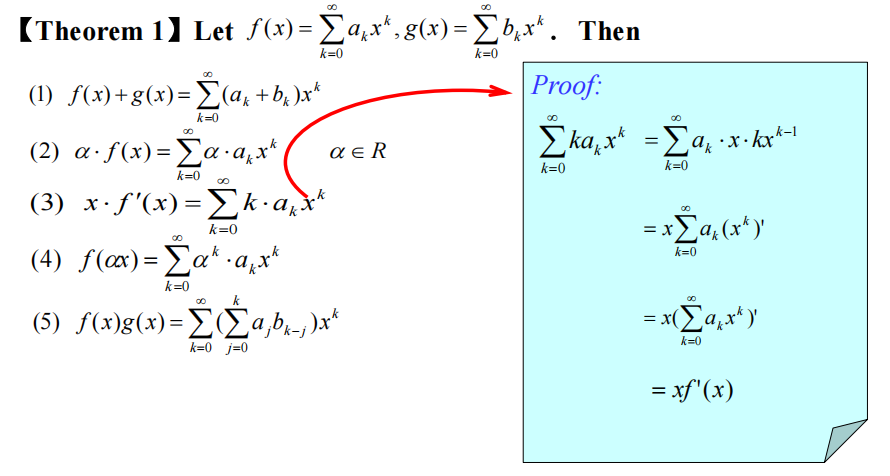


**（8.4）Generating Functions（生成函数）**

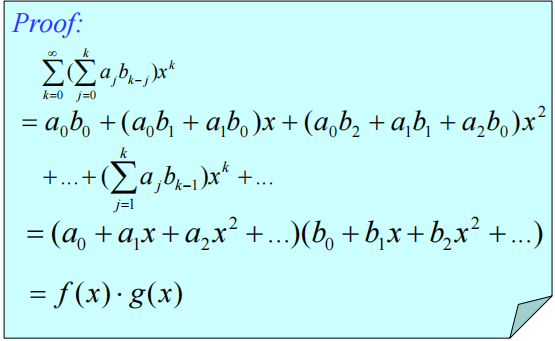


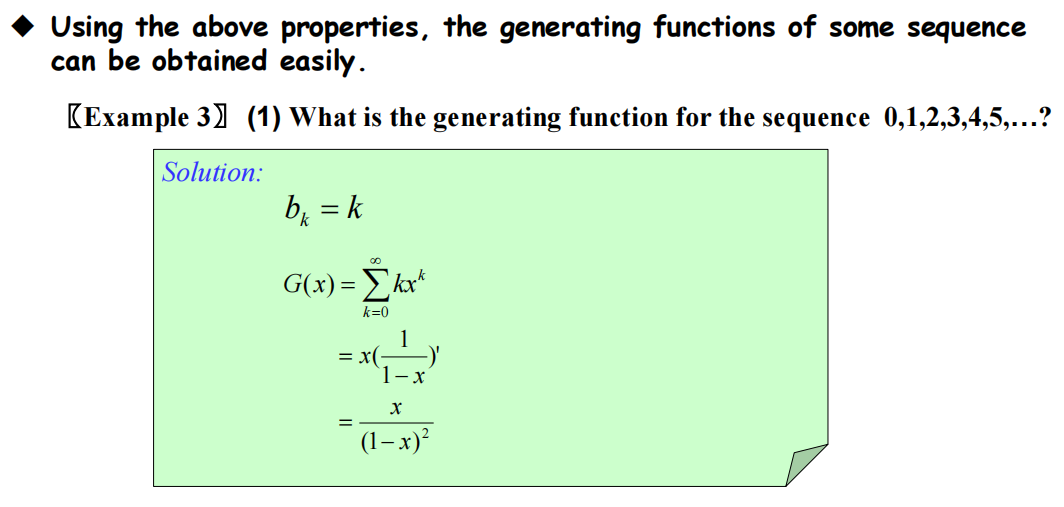


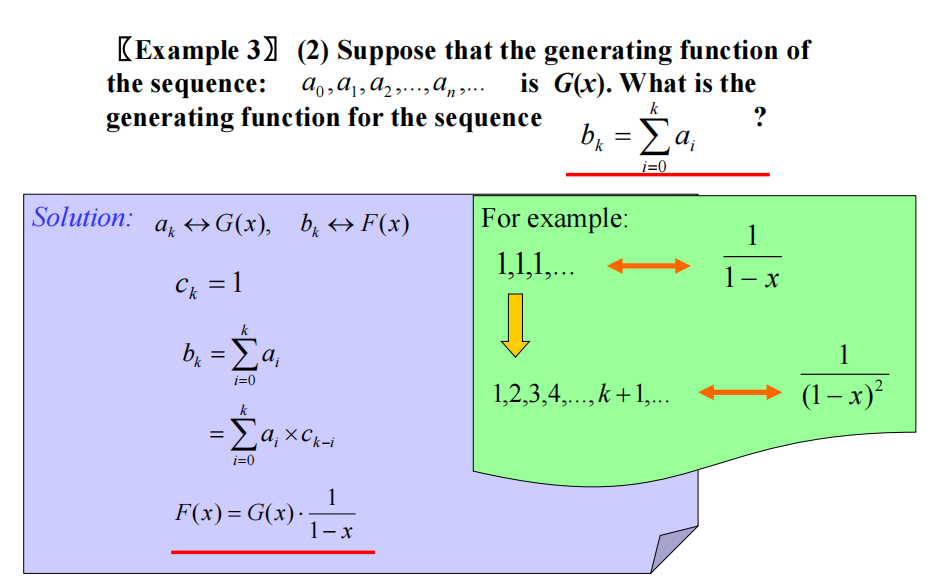
Useful Facts About Power Series （幂级数）

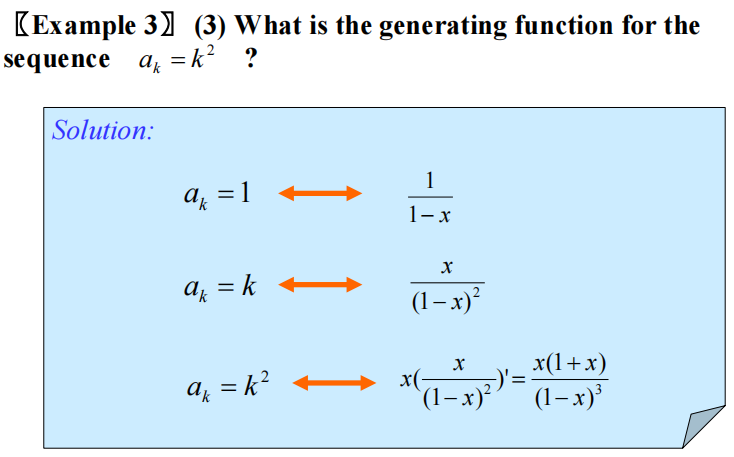


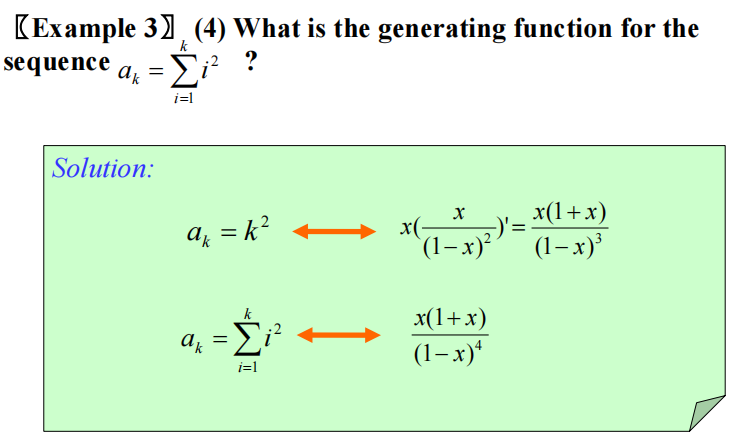
1. 的证明：

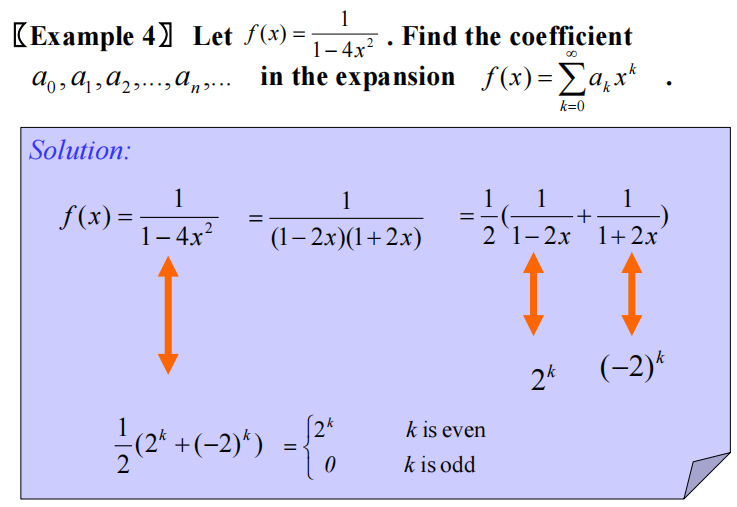


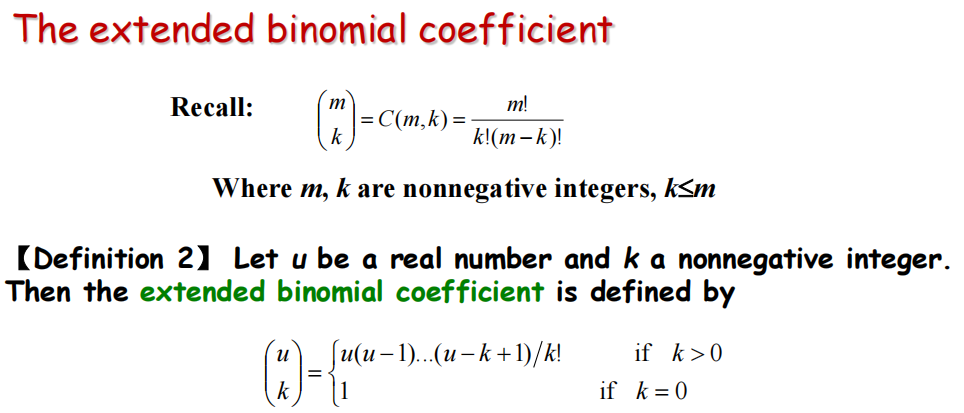


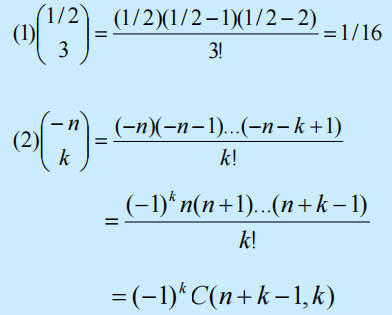


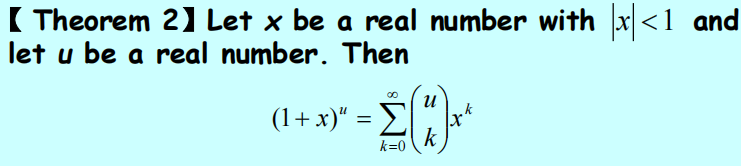


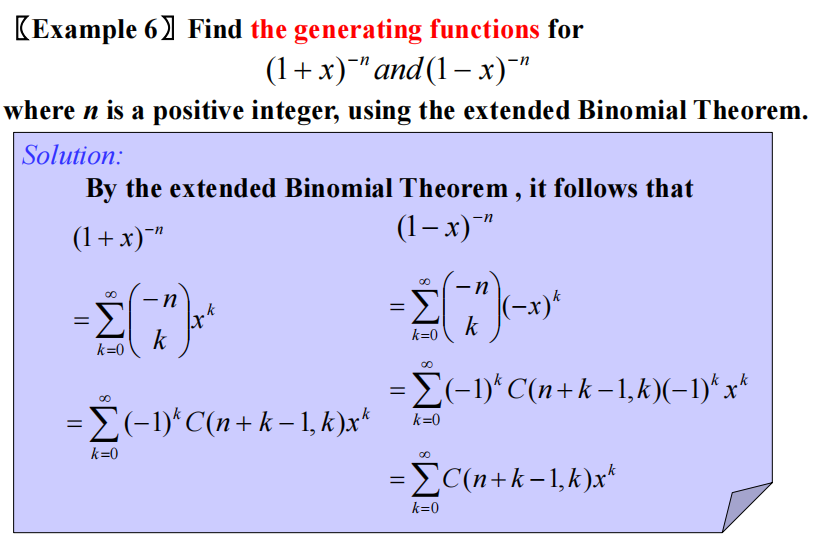


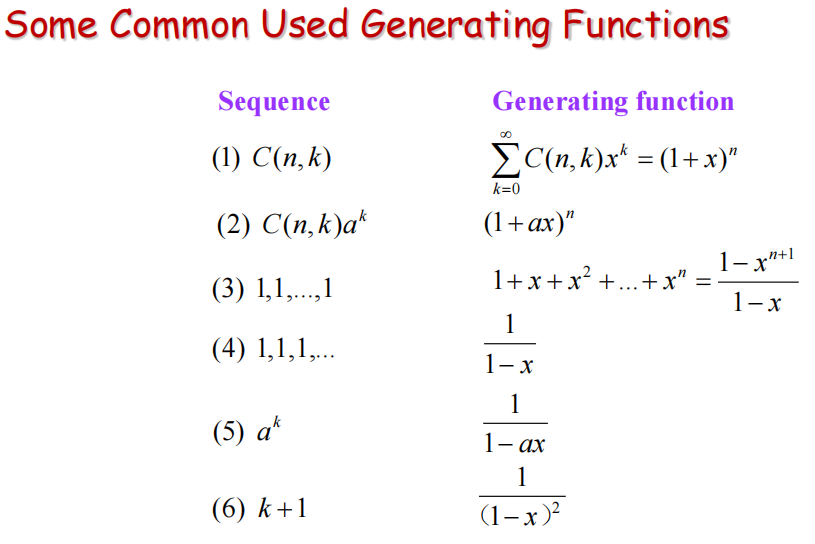


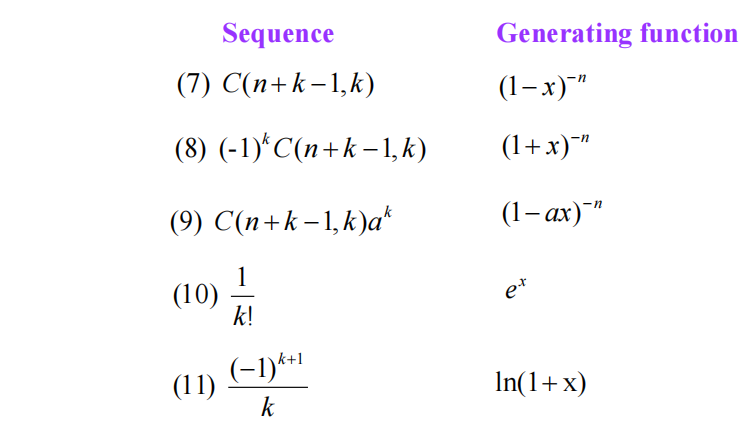


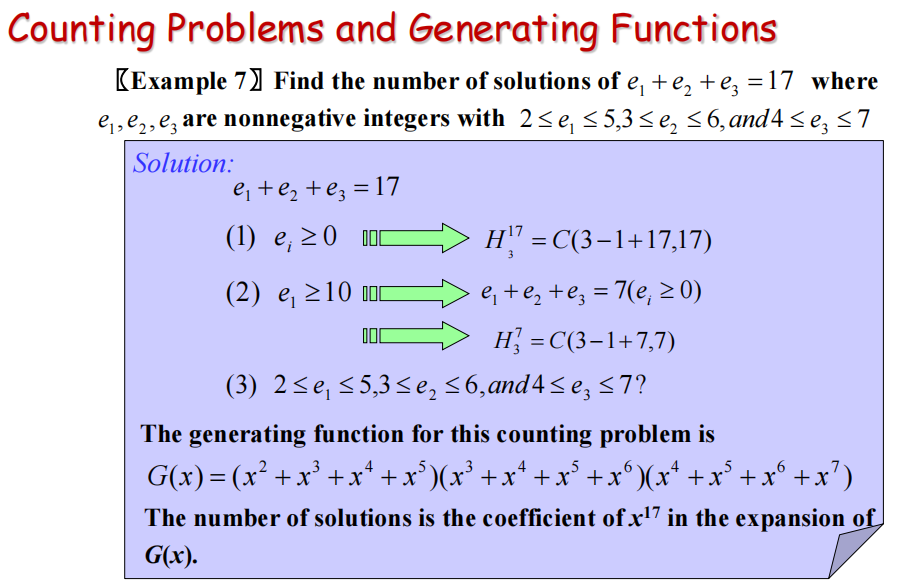


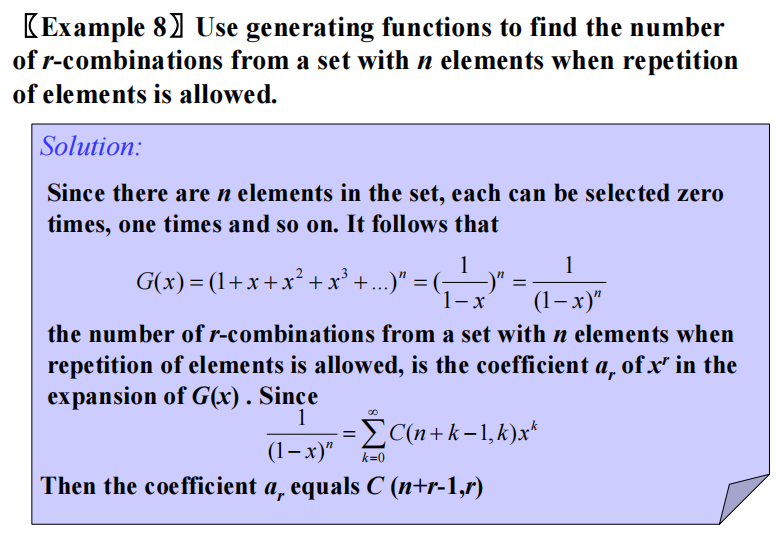


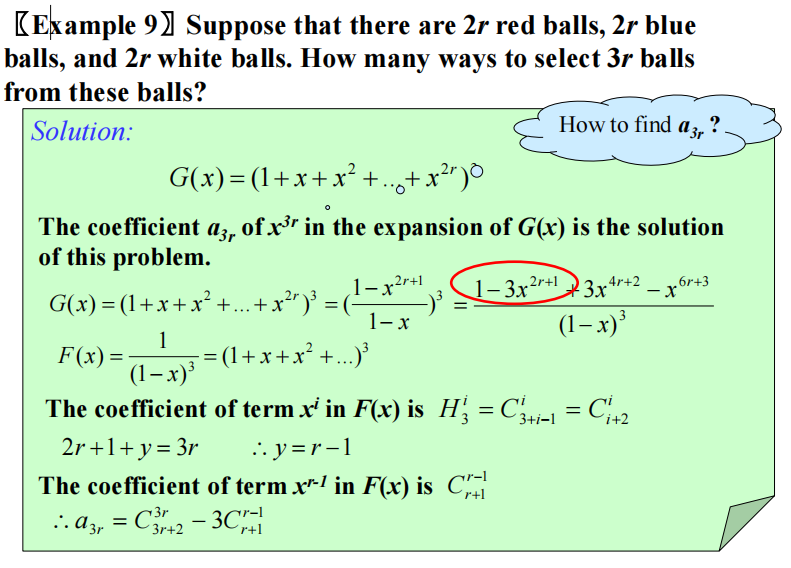


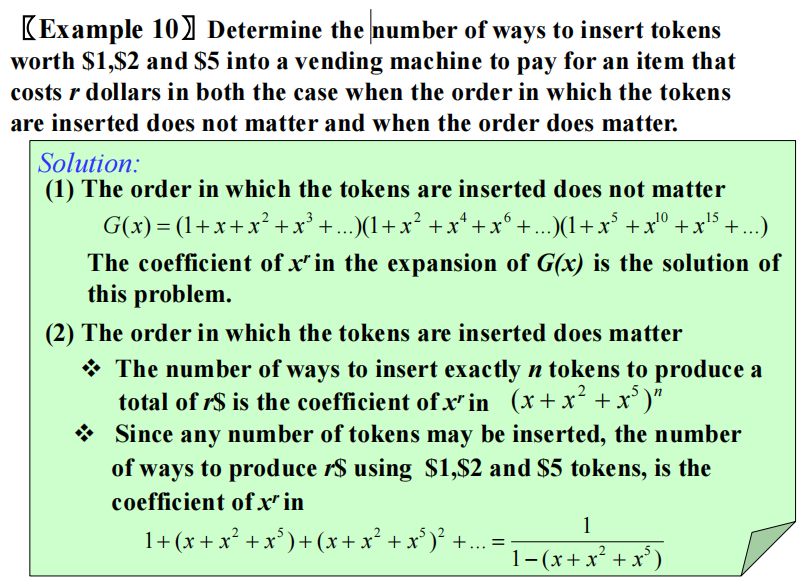


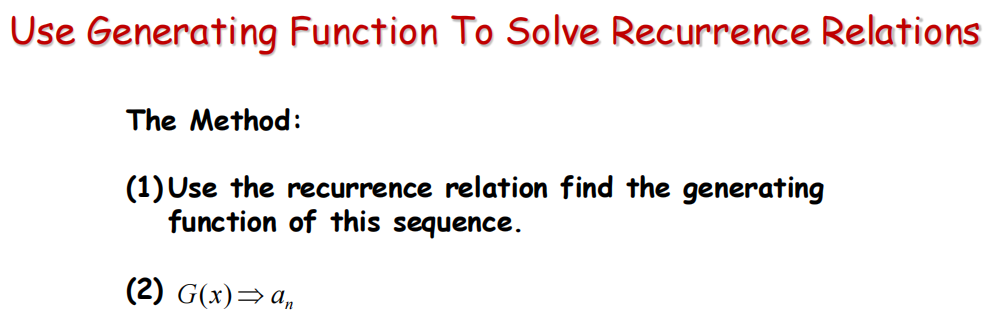


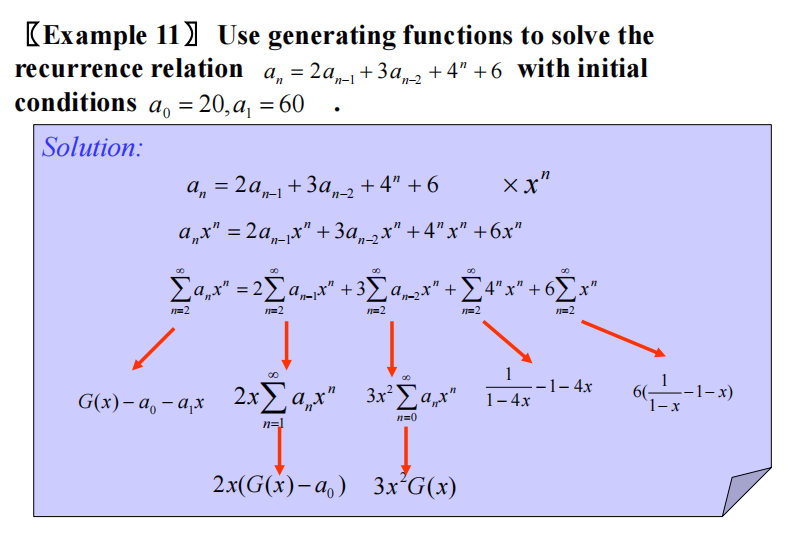


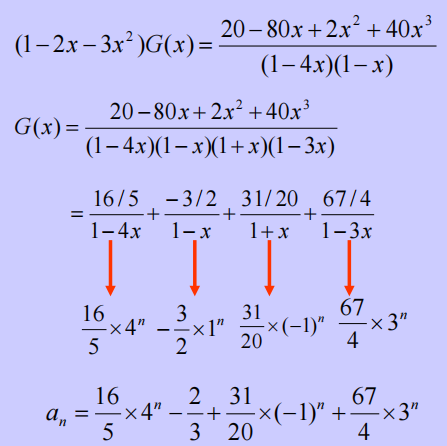


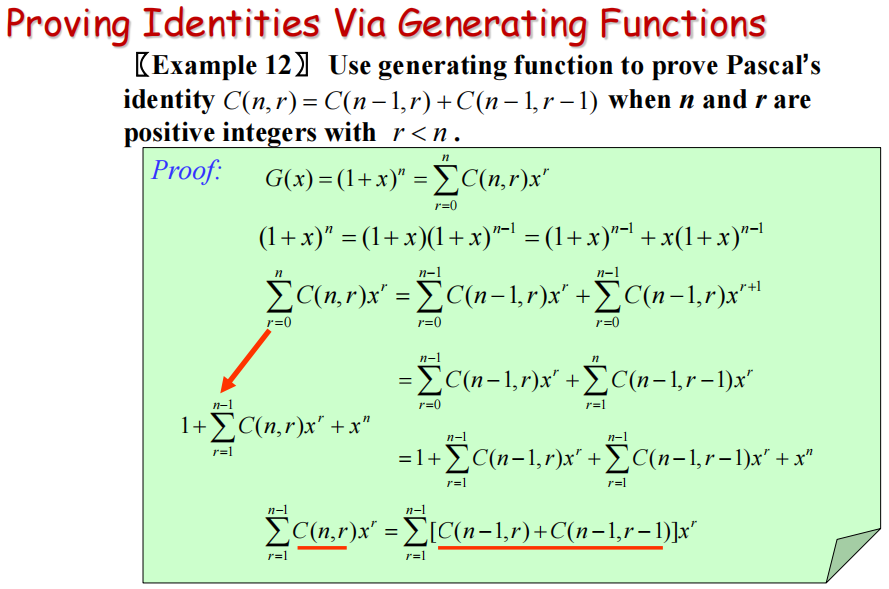


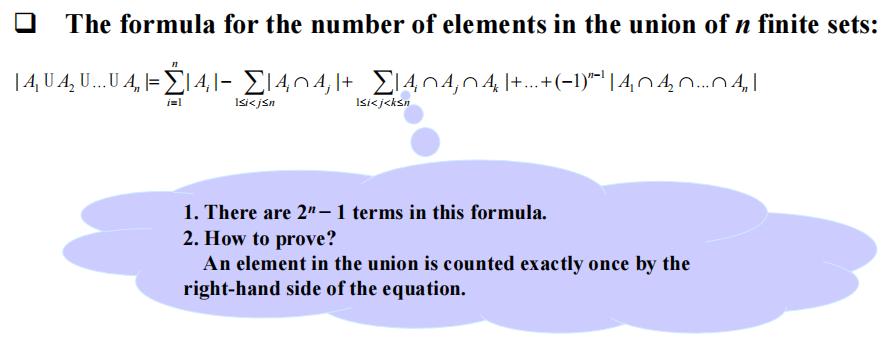


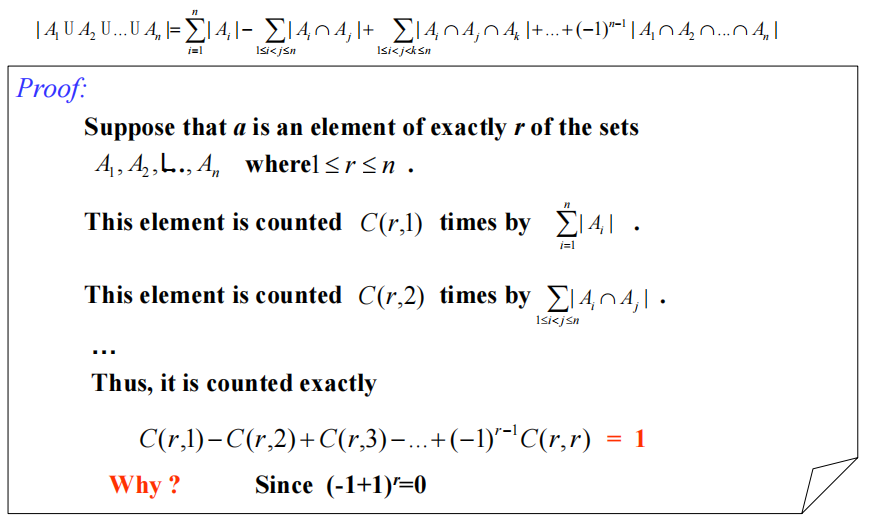


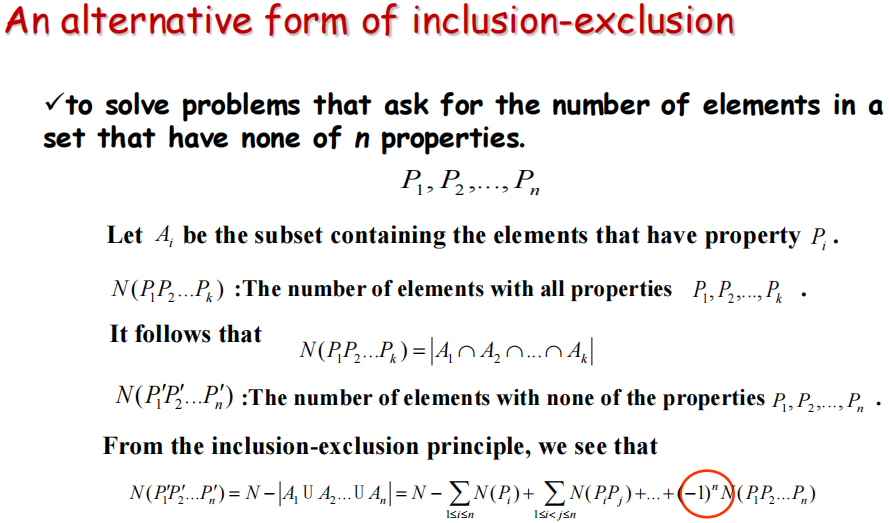


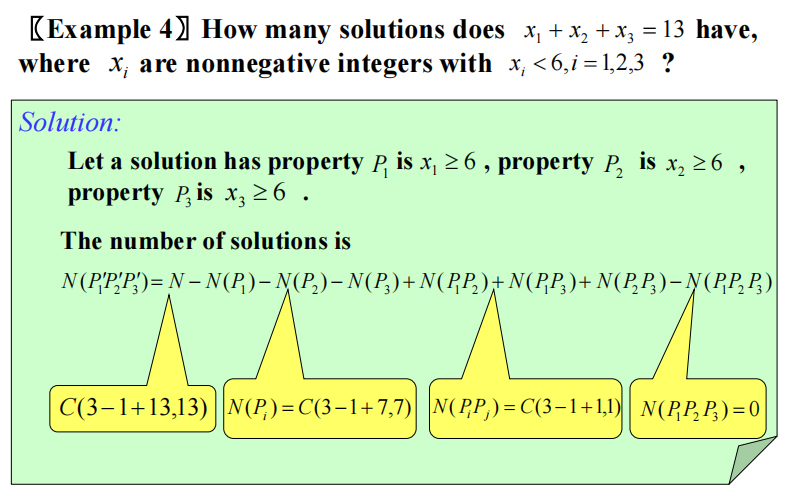


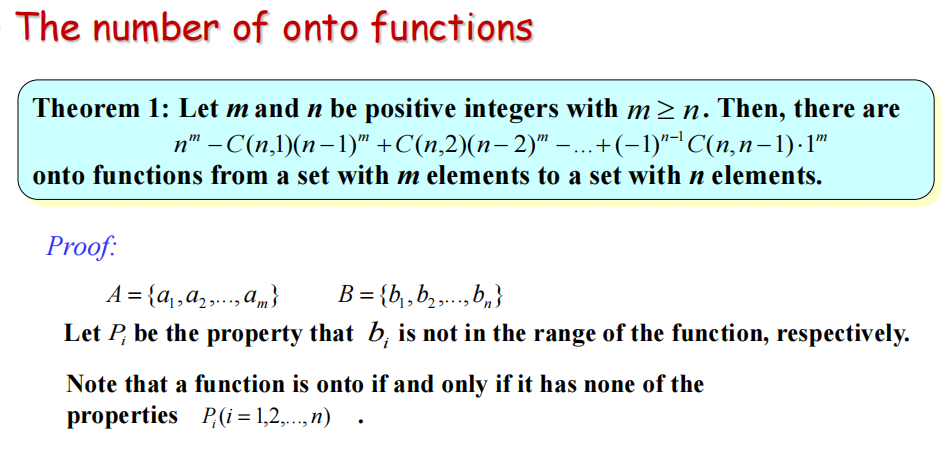


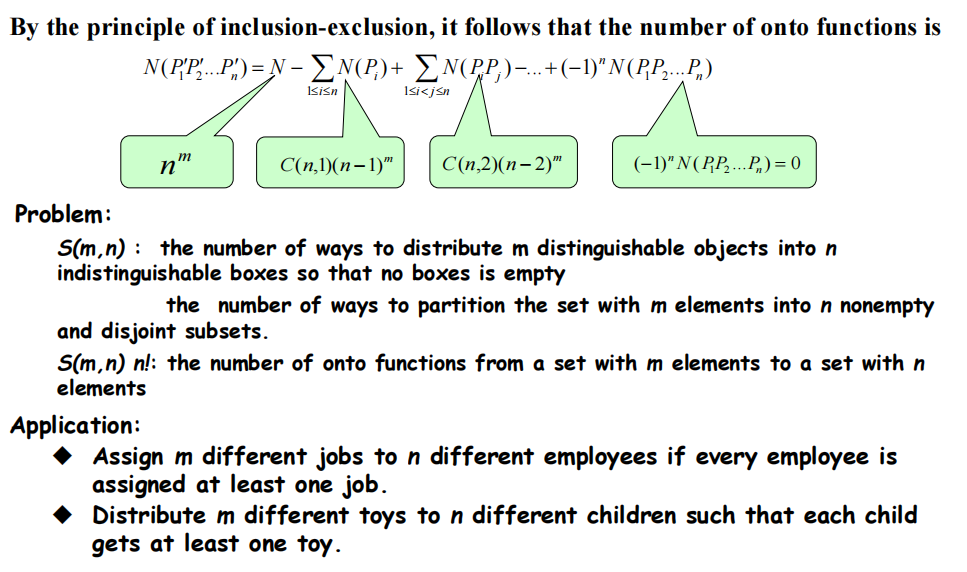












Derangements（错排）

