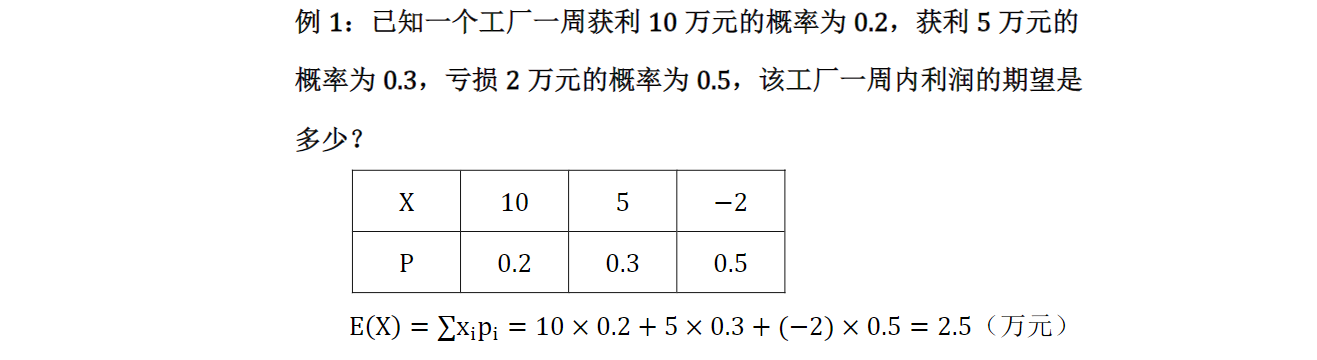
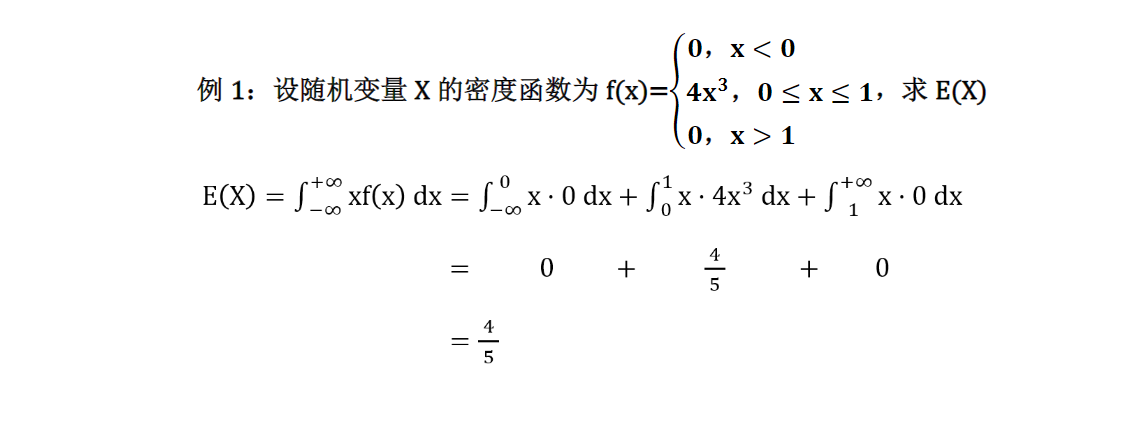
# 数理统计

## 1 基础知识

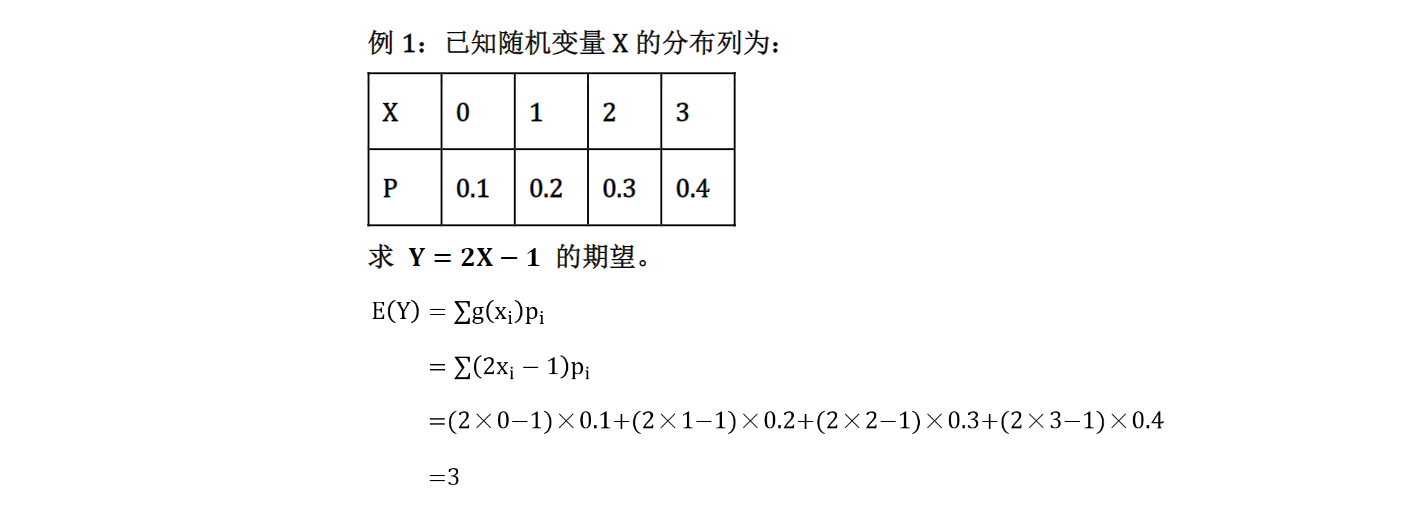
### 求离散型期望

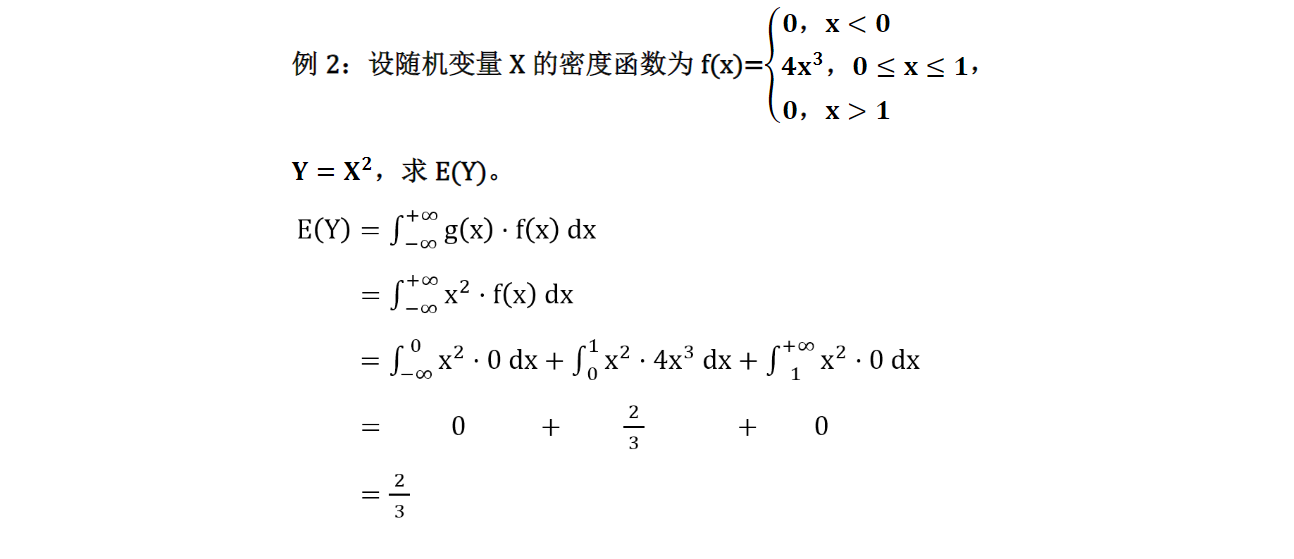


### 求连续型的期望

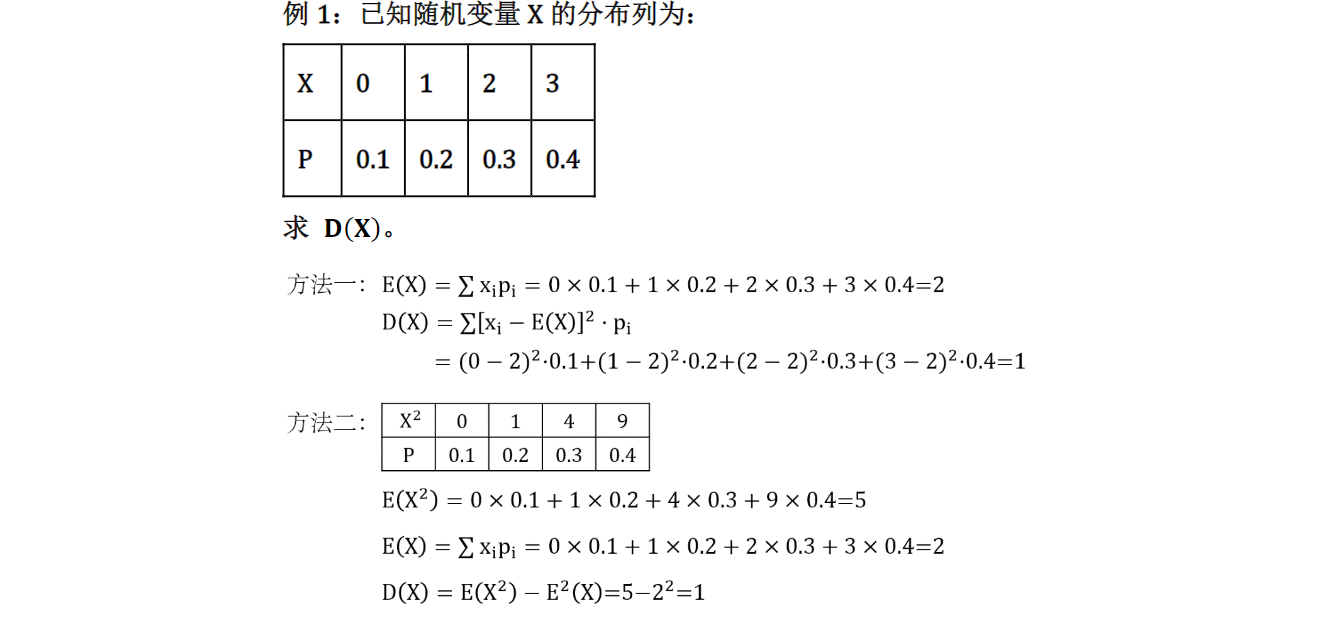


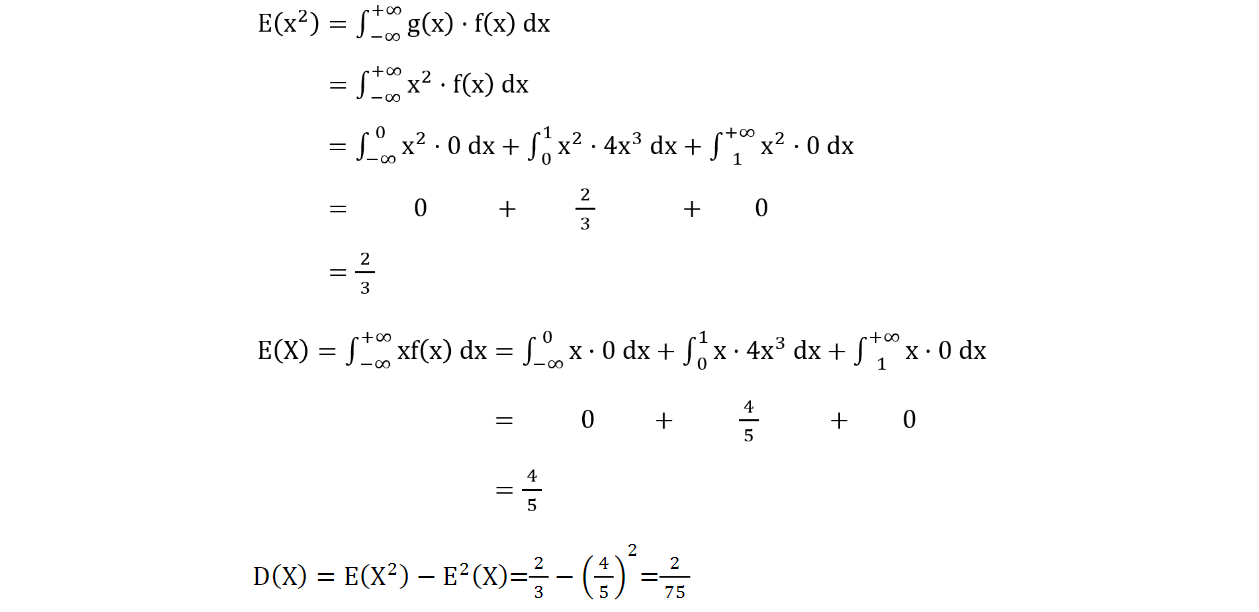
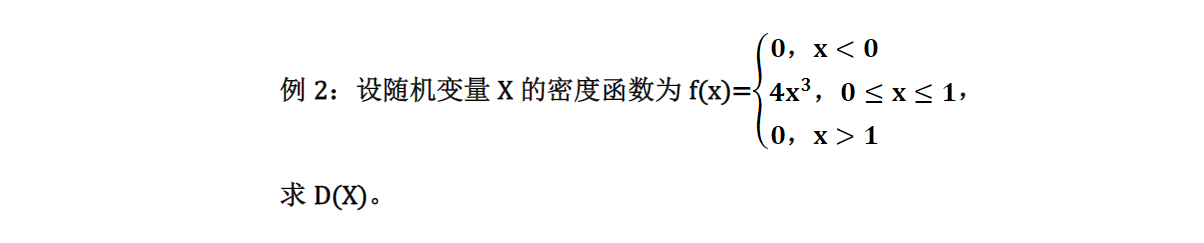
### 1.3 已知Y=g(X) 求 E(Y)



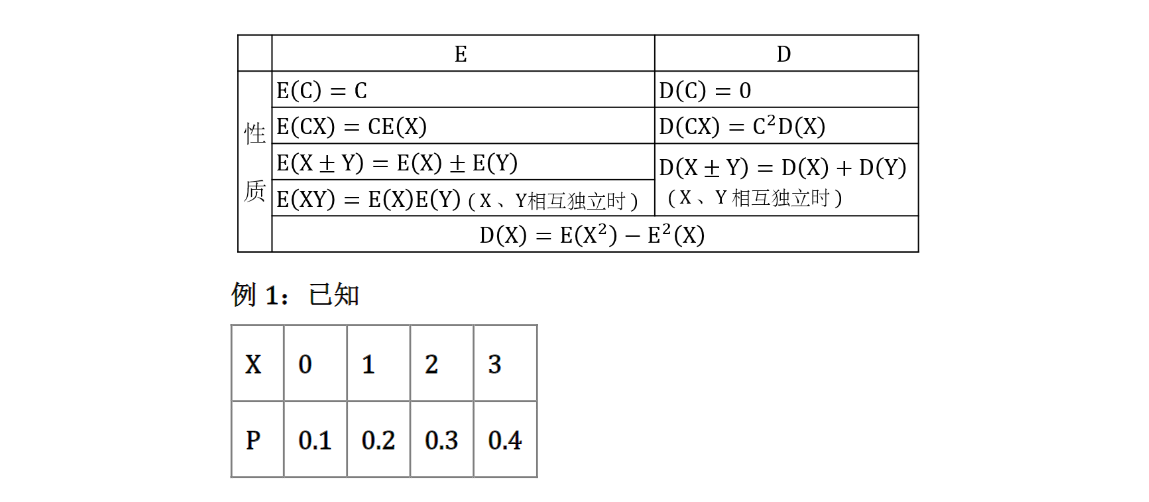


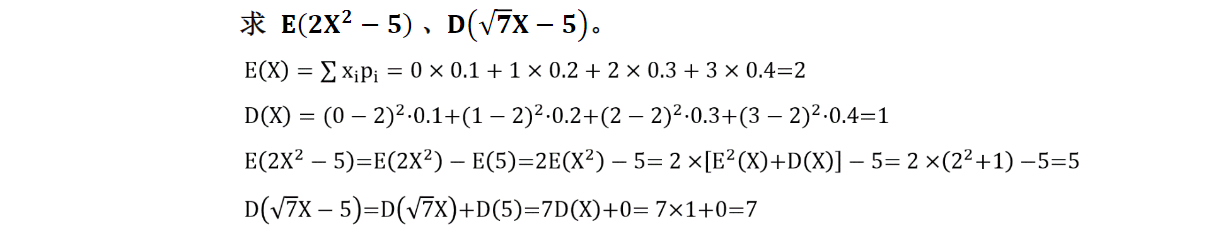
### 求方差D(X)



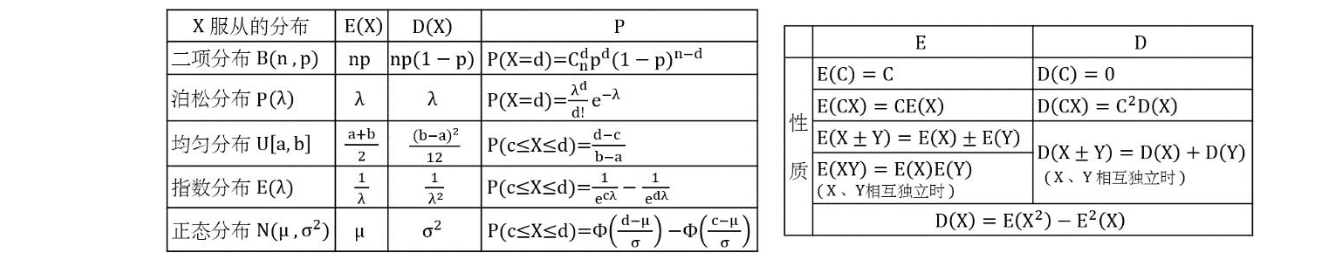


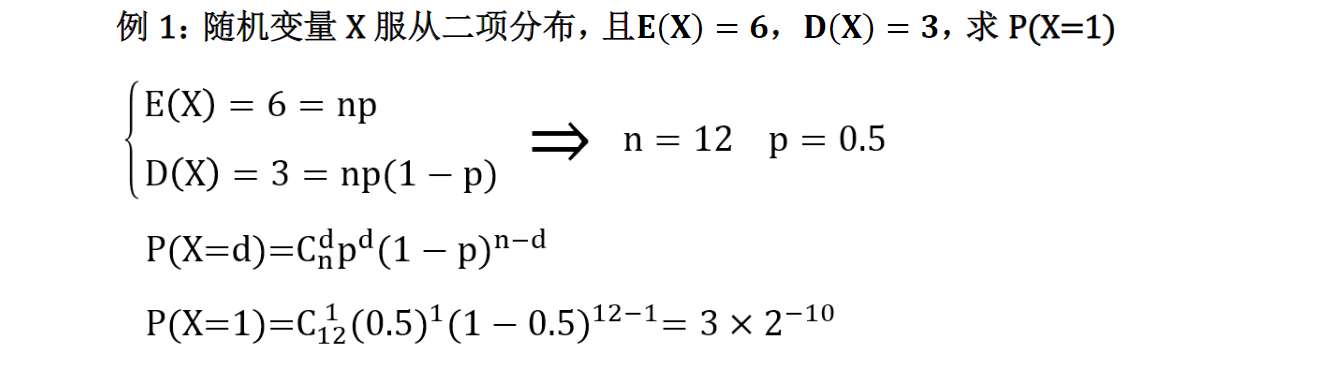
### 根据E(X)，D(X),进行复杂运算

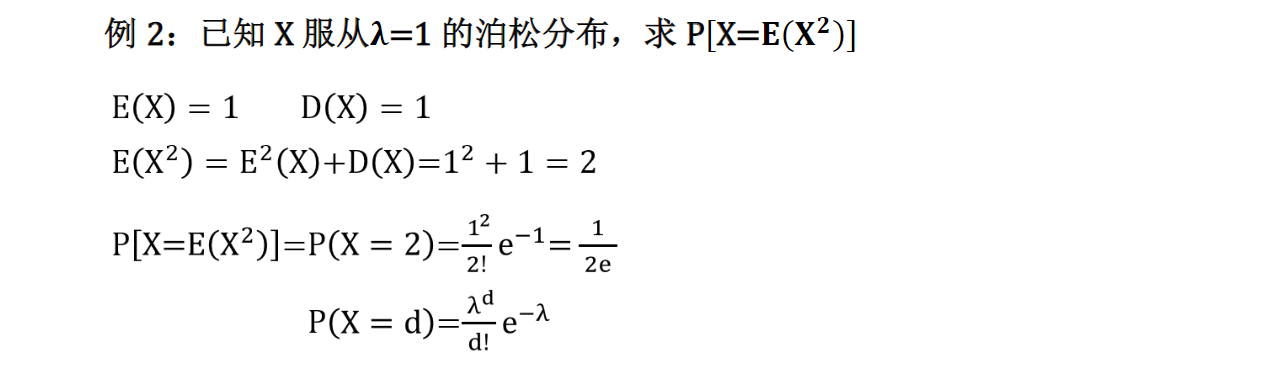




### E(X),D(X)与各种分布的综合题

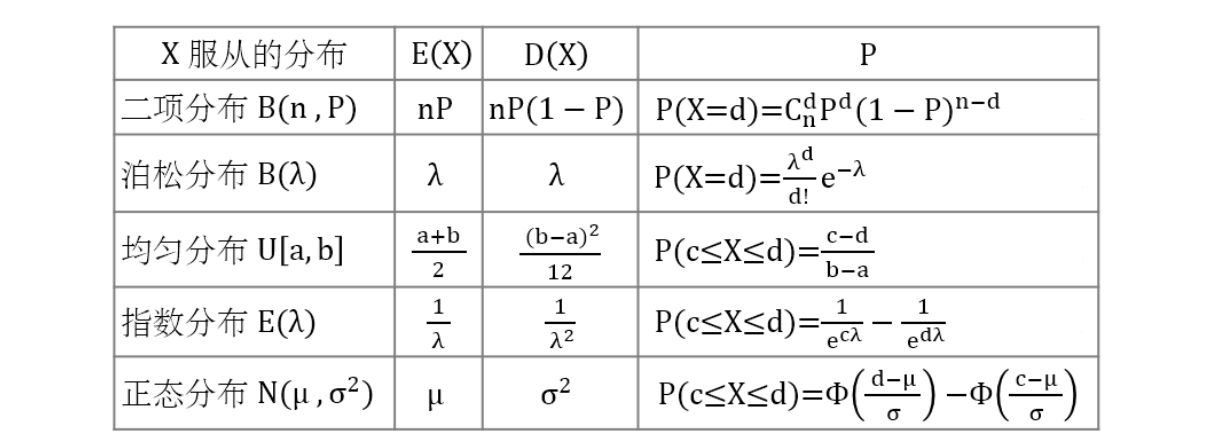




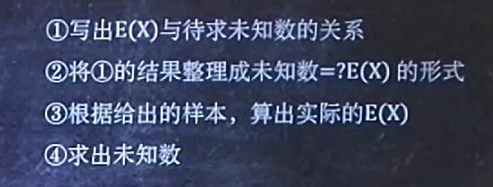


## 用矩估计法进行点估计

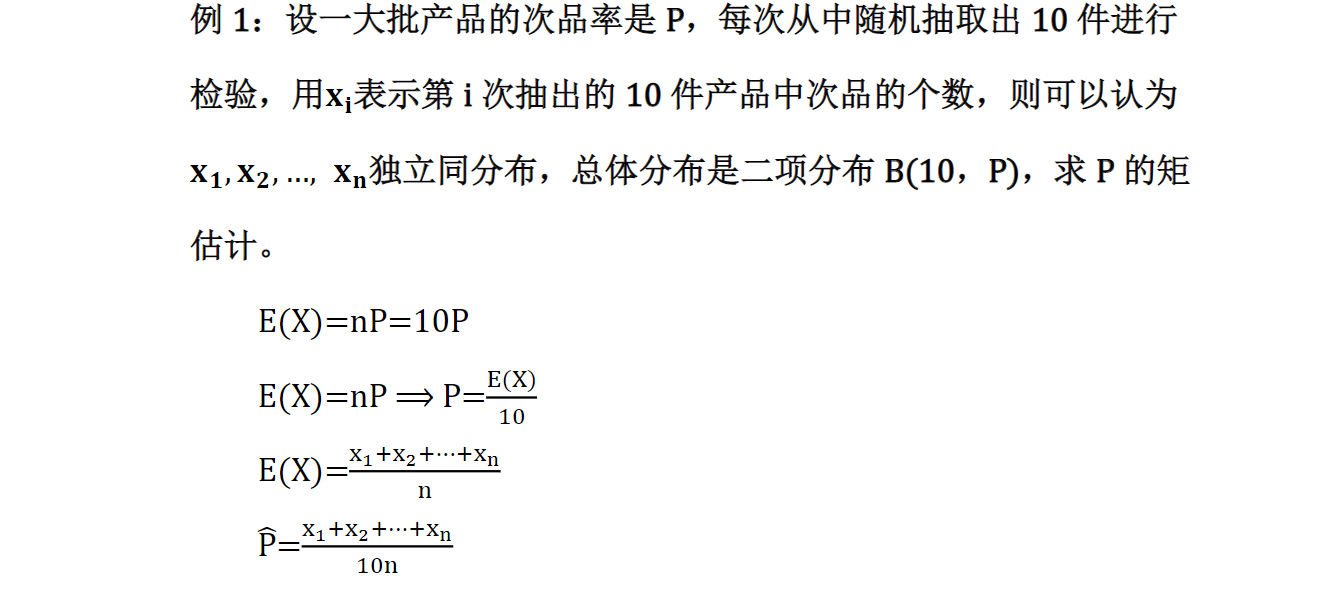
### 2.1 求某一未知参数的矩估计

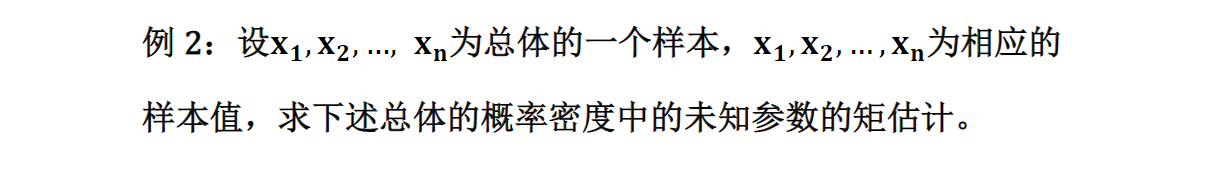


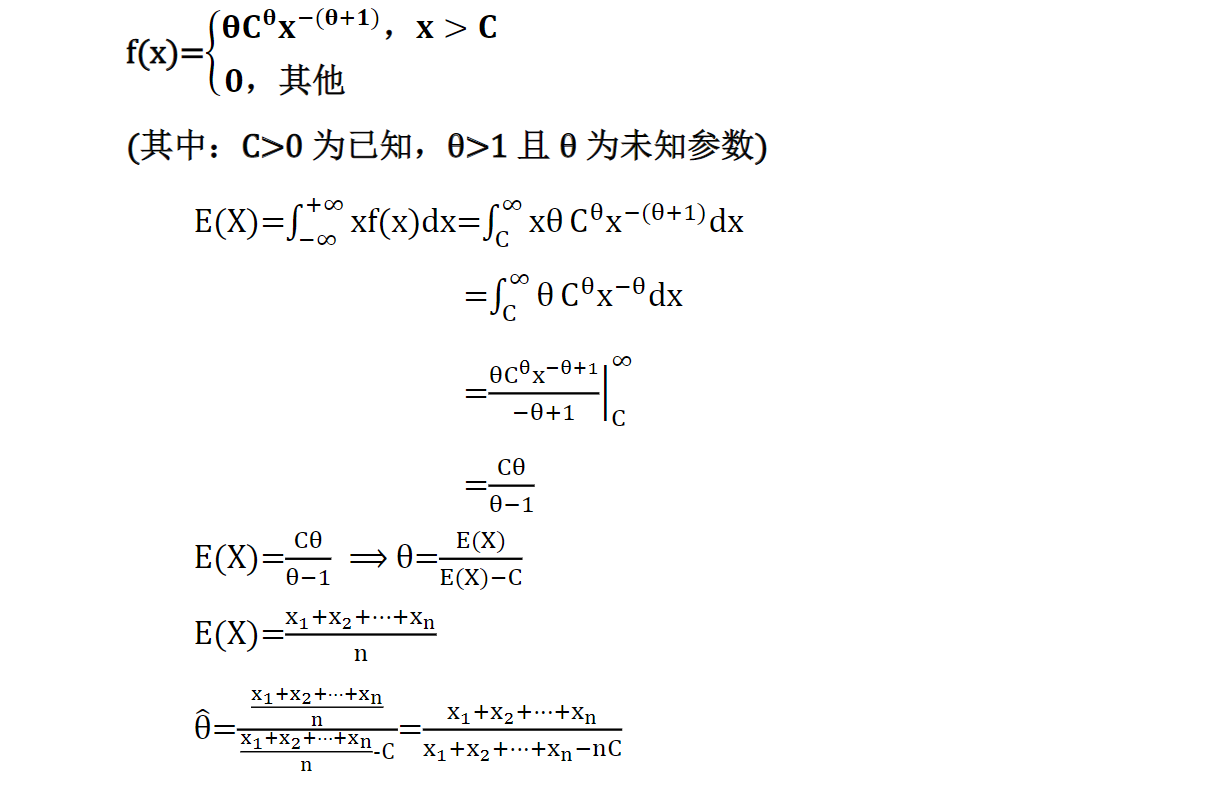
**做题步骤：**



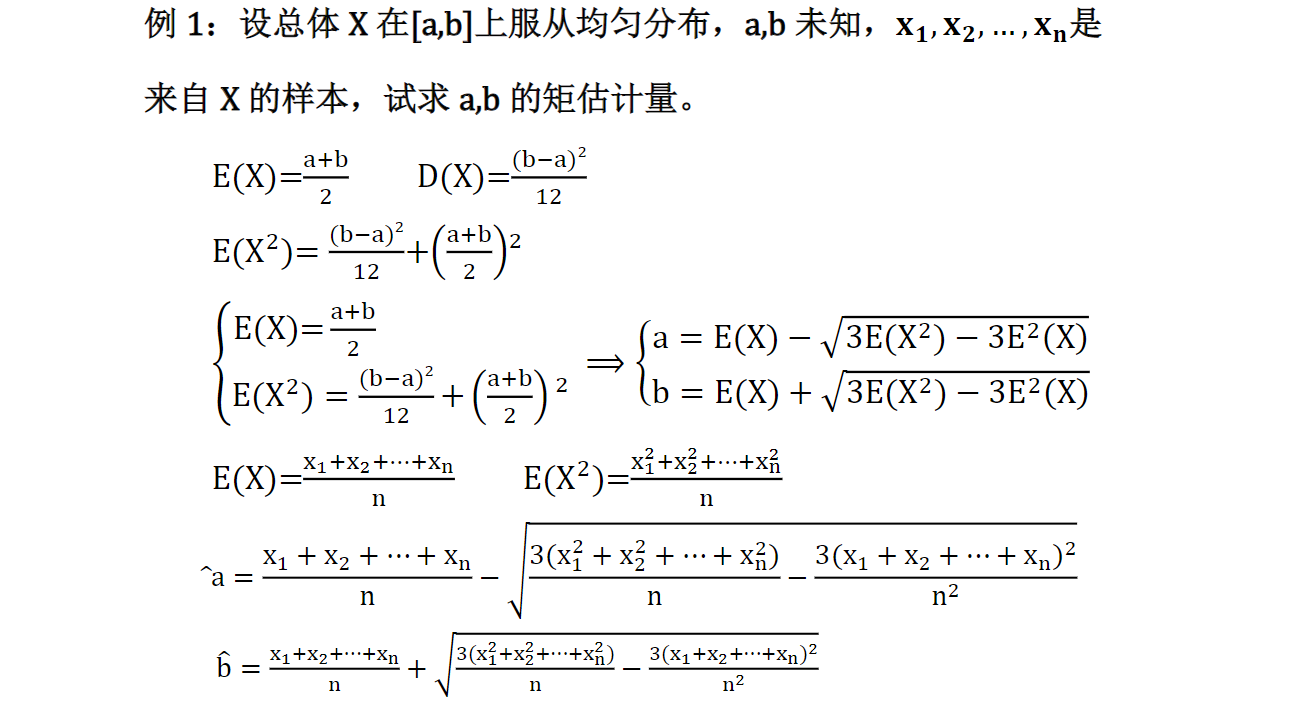
**例题：**







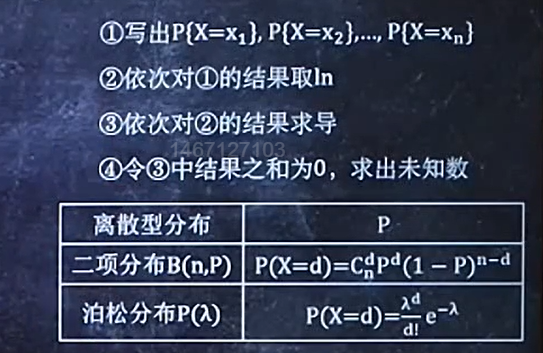
### 2.2 求两个未知参数的矩估计

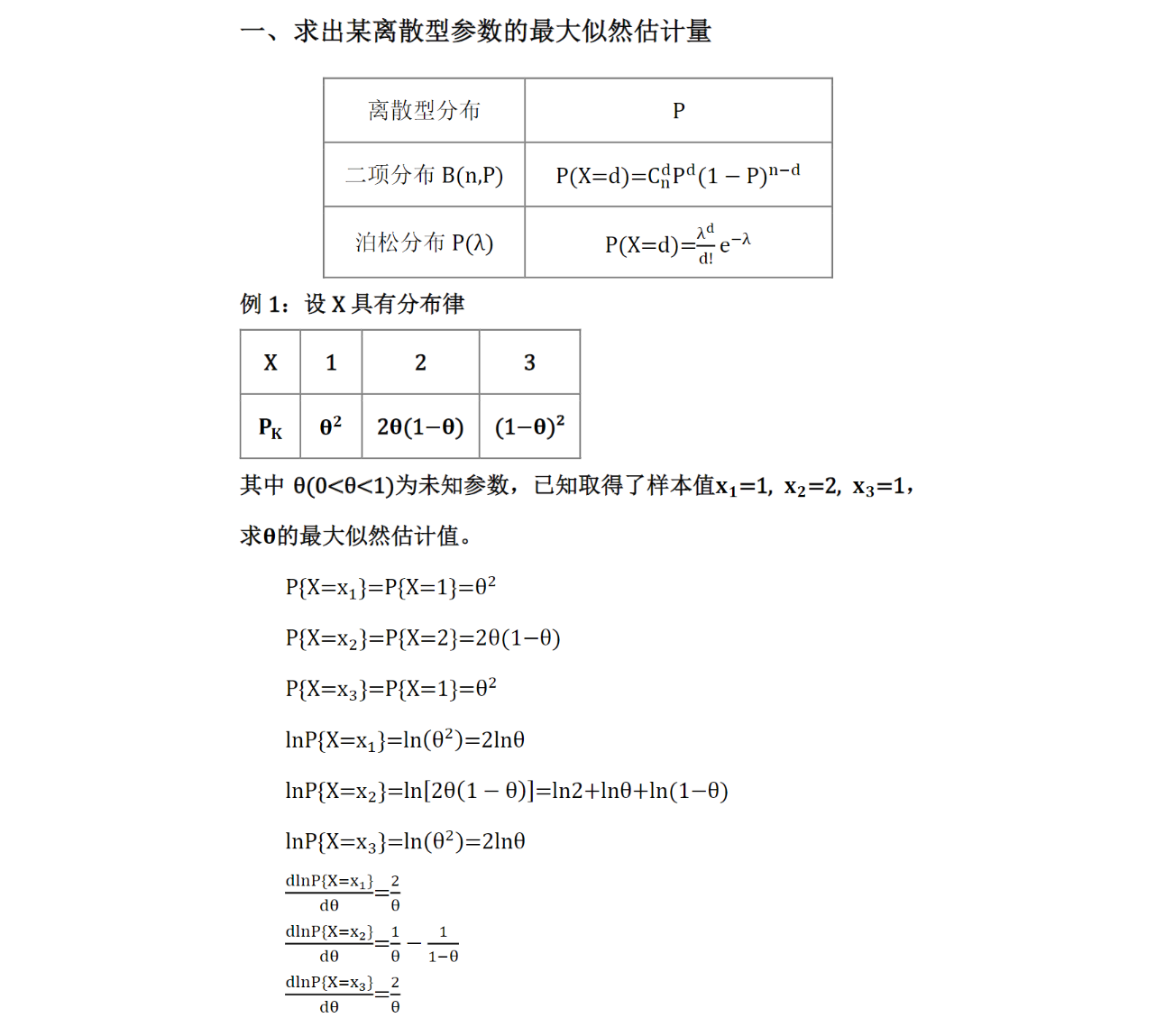


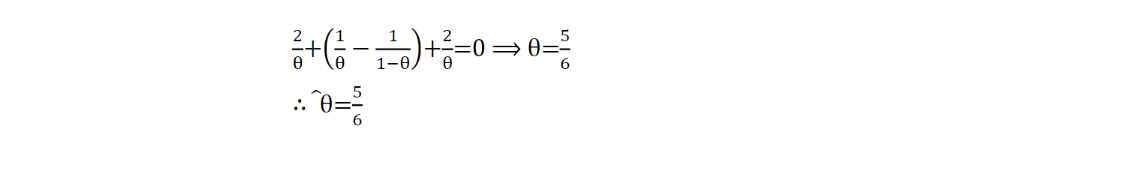
## 用最大似然估计法进行点估计

### 3.1 求出某离散型参数的最大似然估计量

**步骤：**

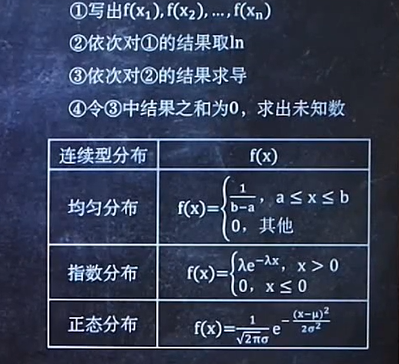


**例题:**

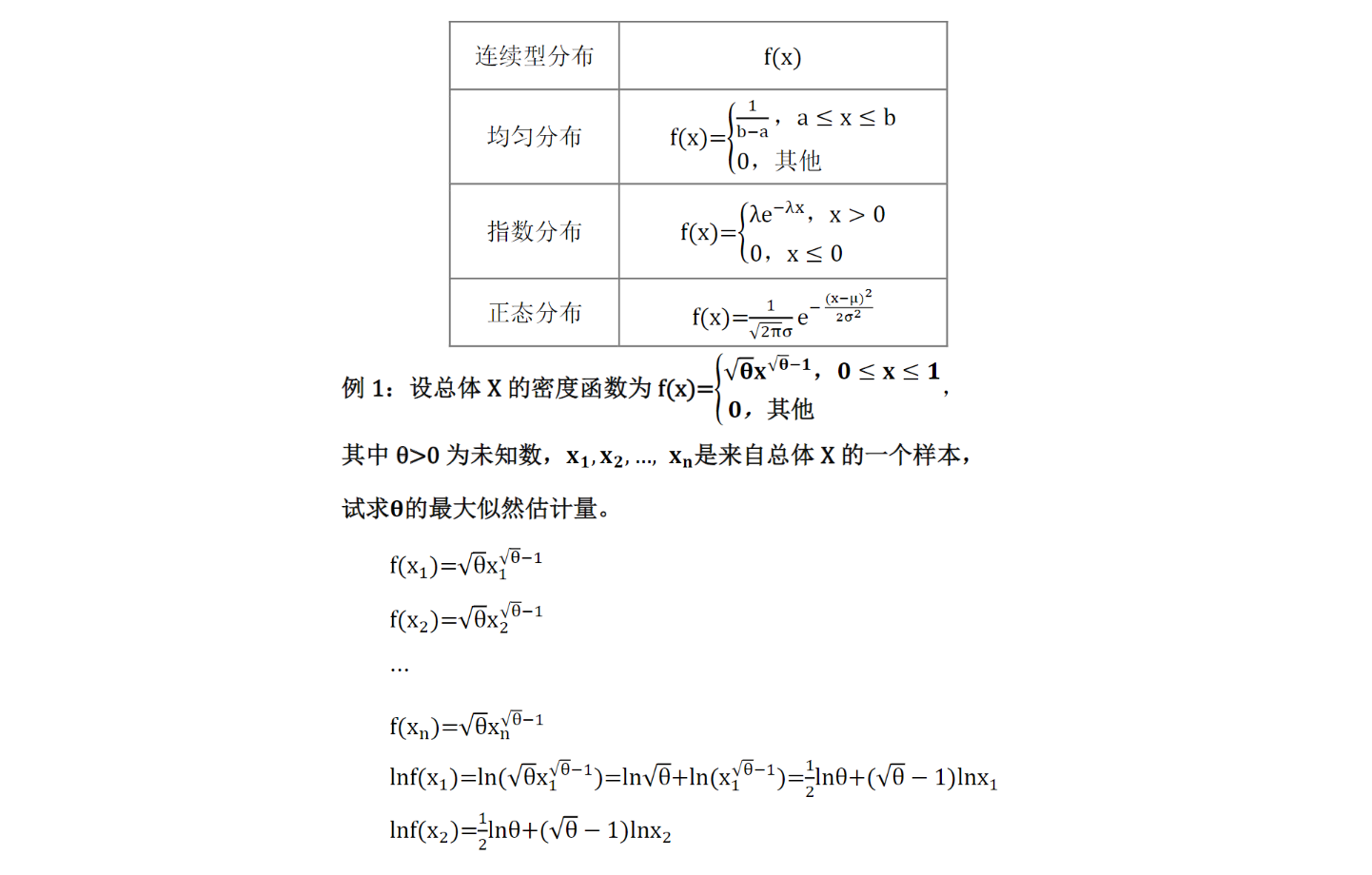


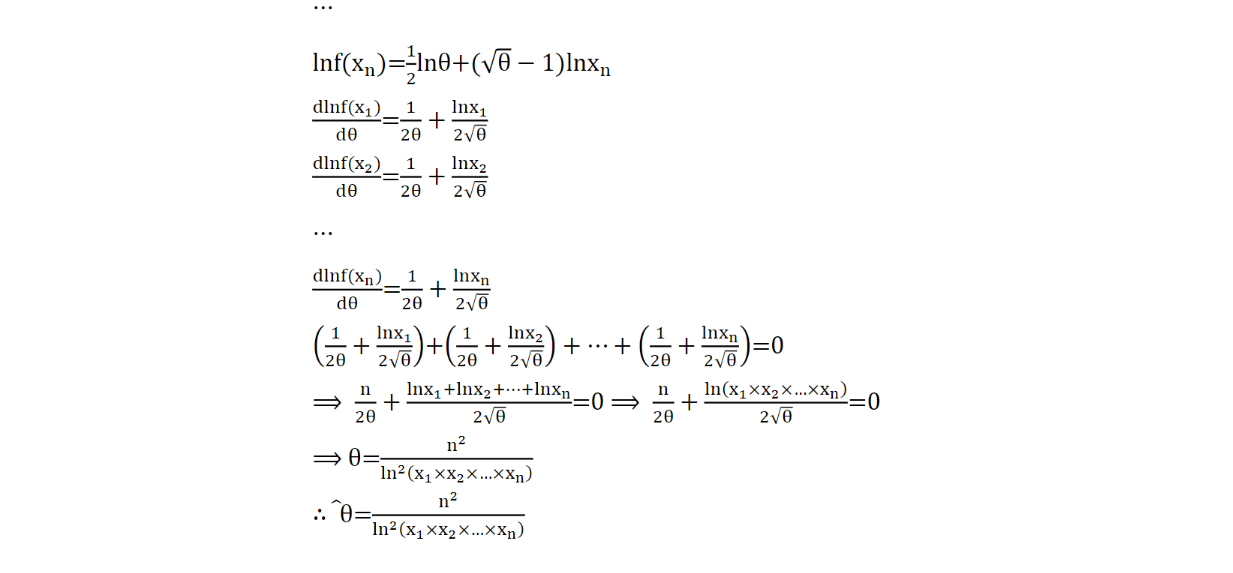
### 3.2 求出某连续型参数的最大似然估计量

**解题步骤：**



**例题：**

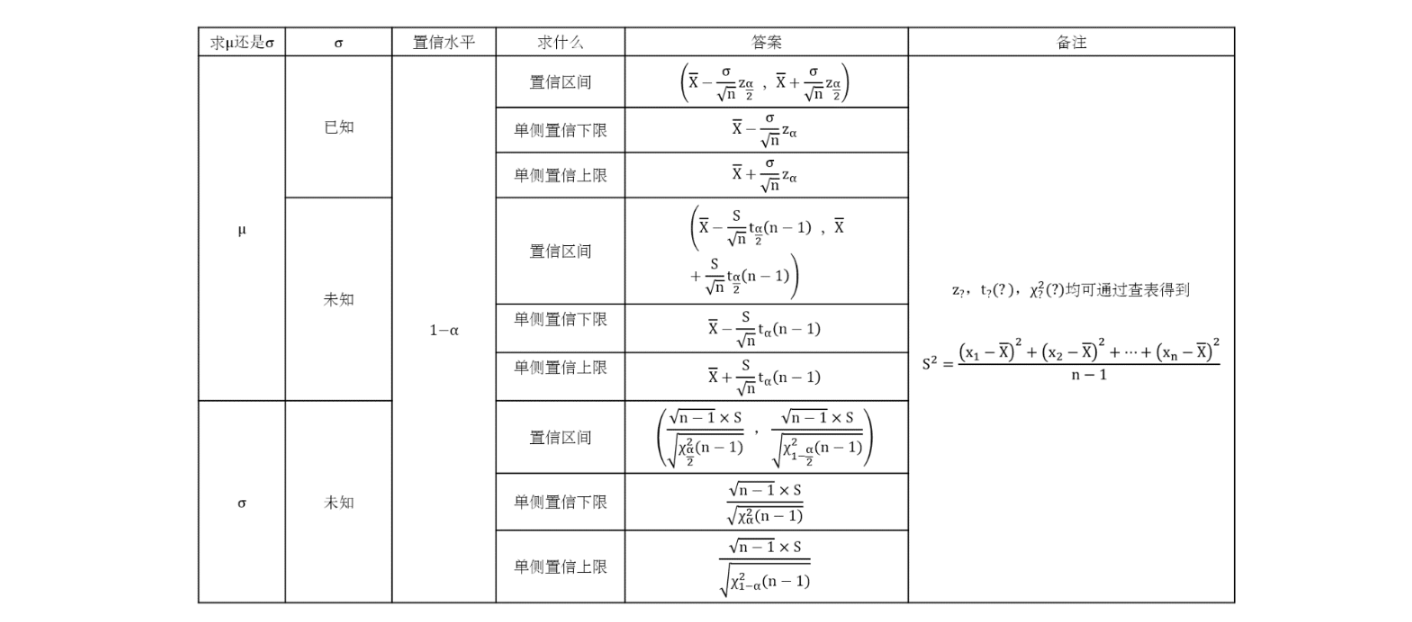


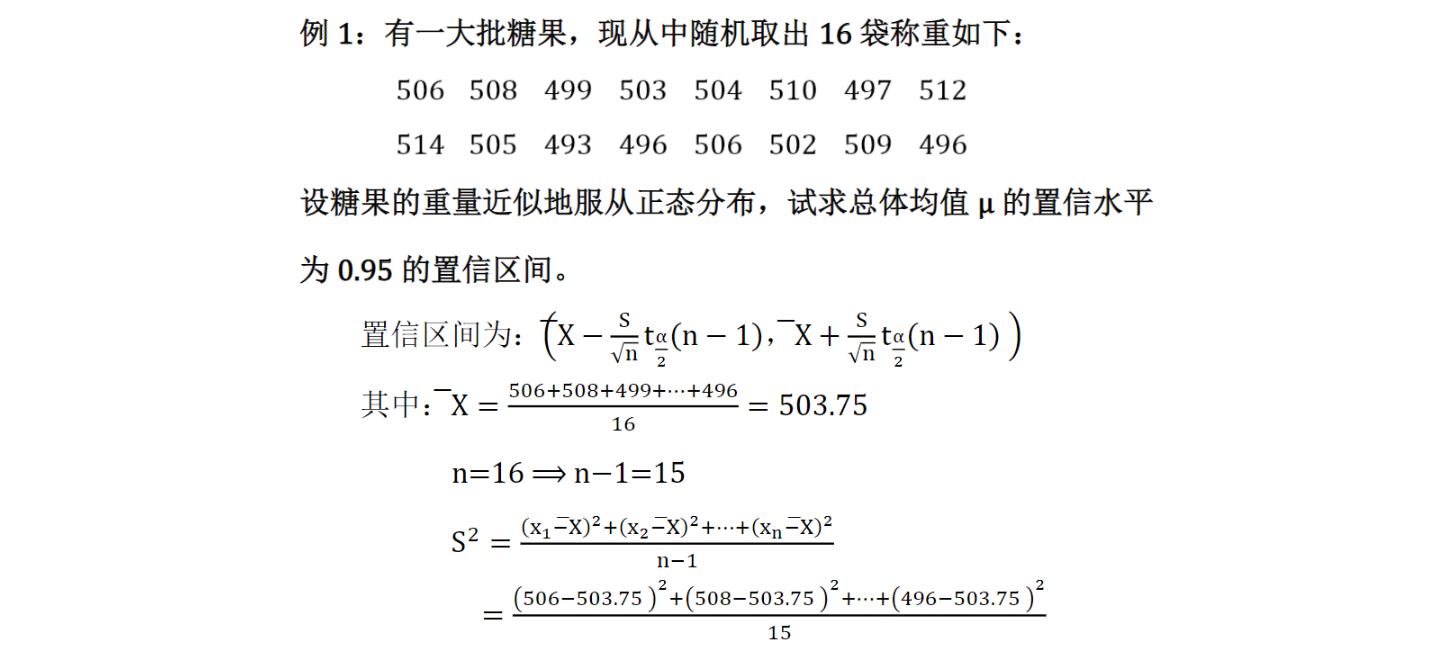


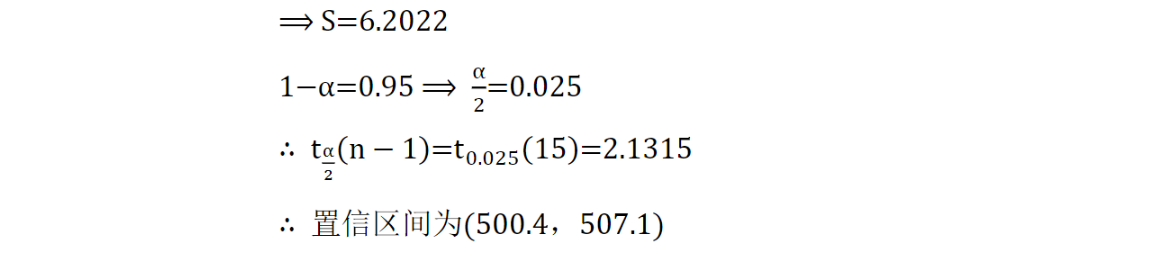
## 区间估计

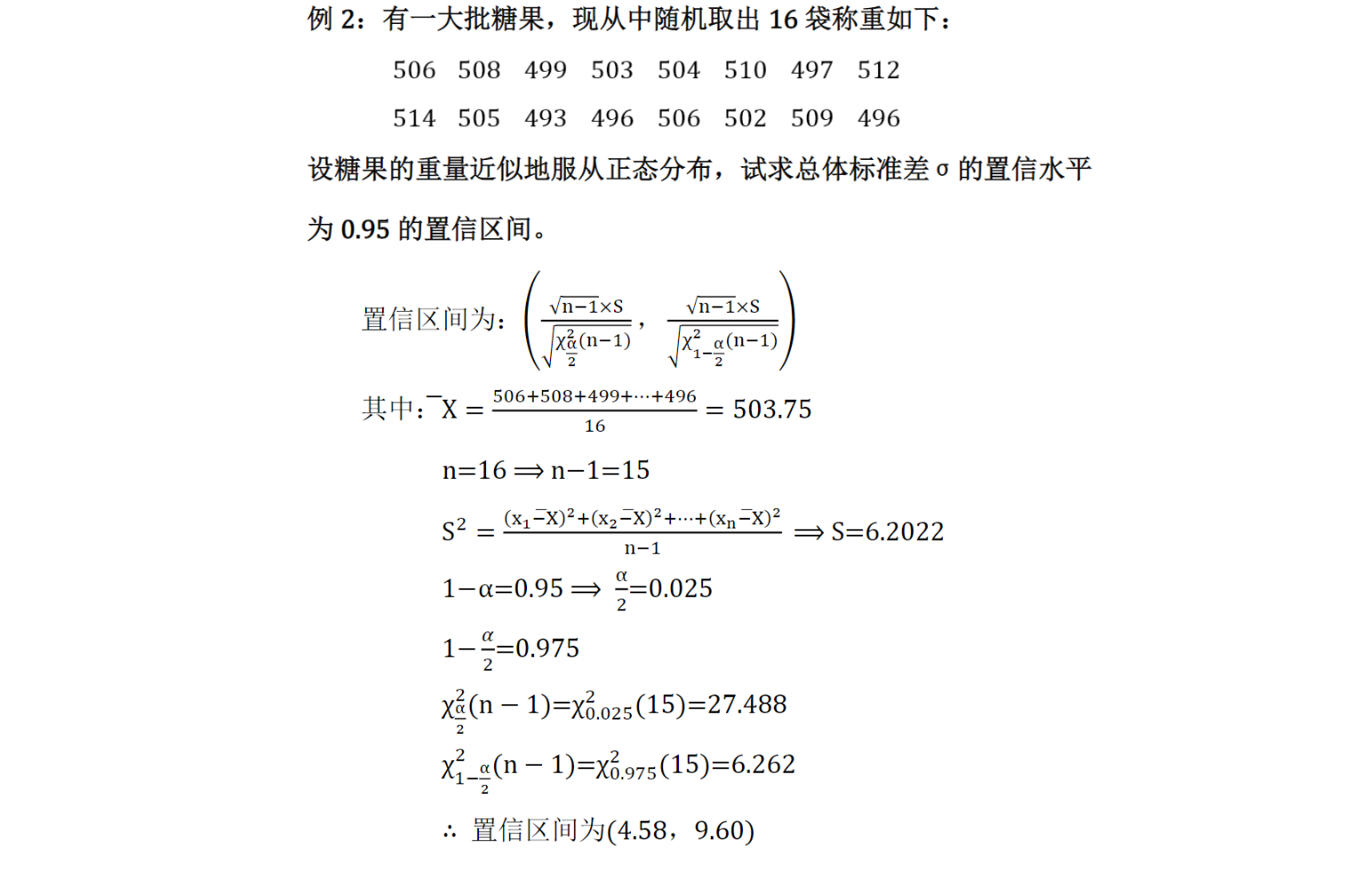
### 4.1 区间估计

**例题：**



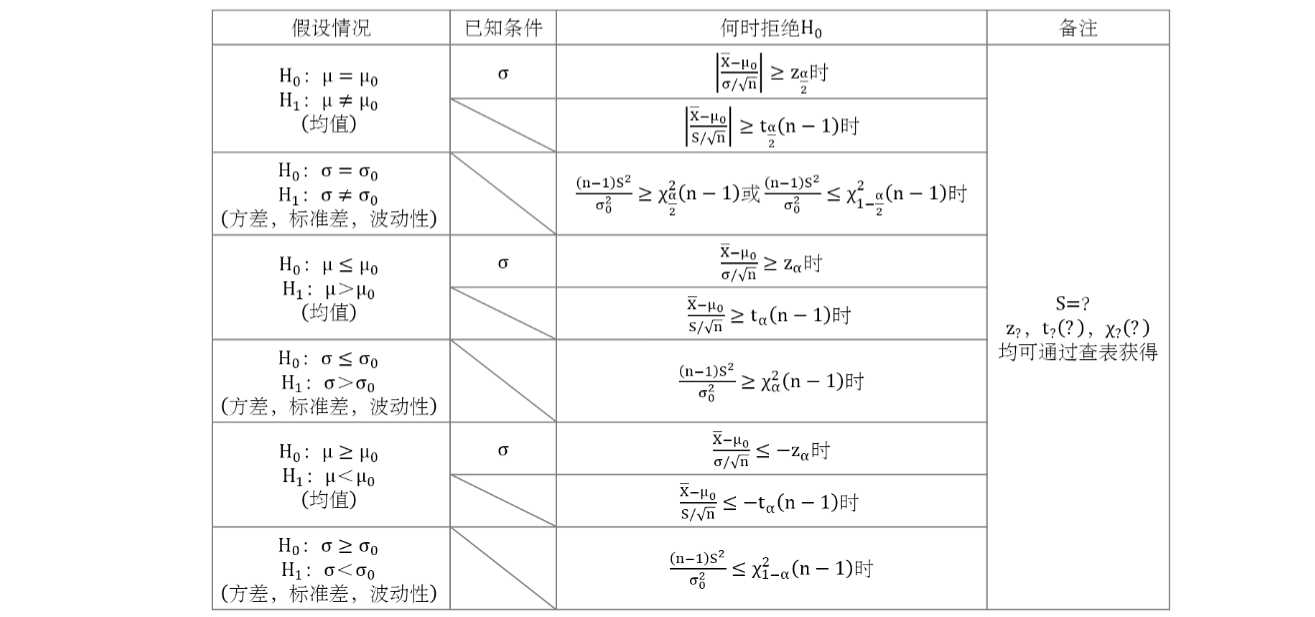


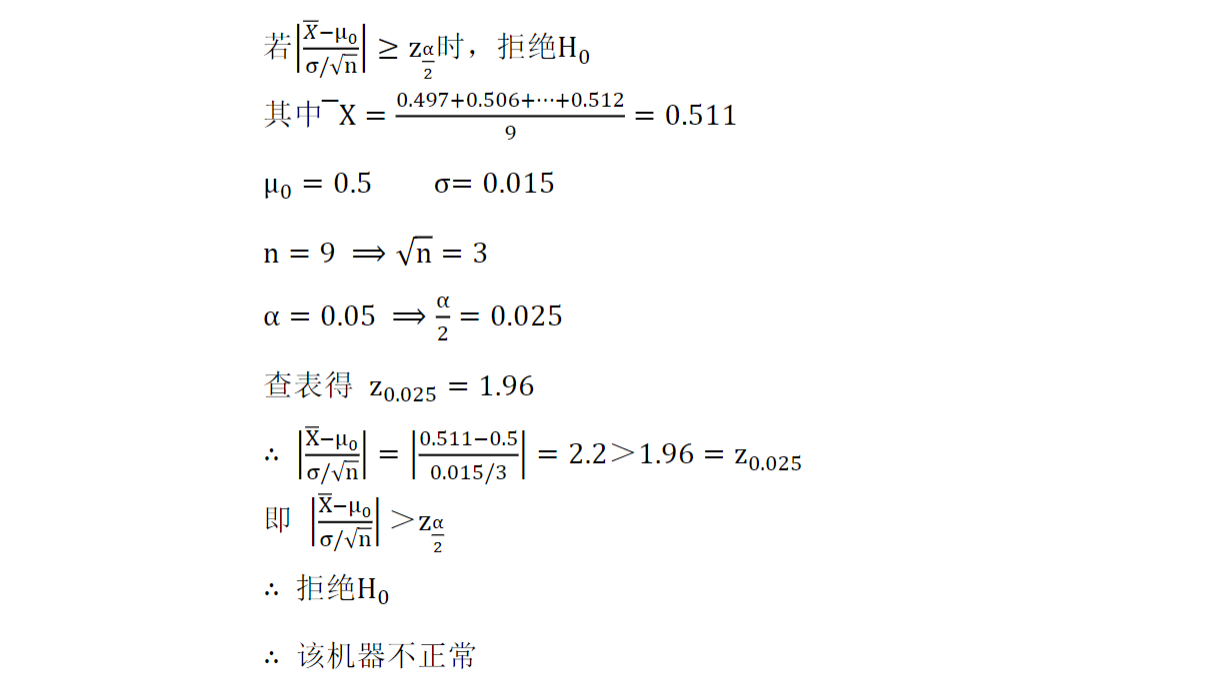
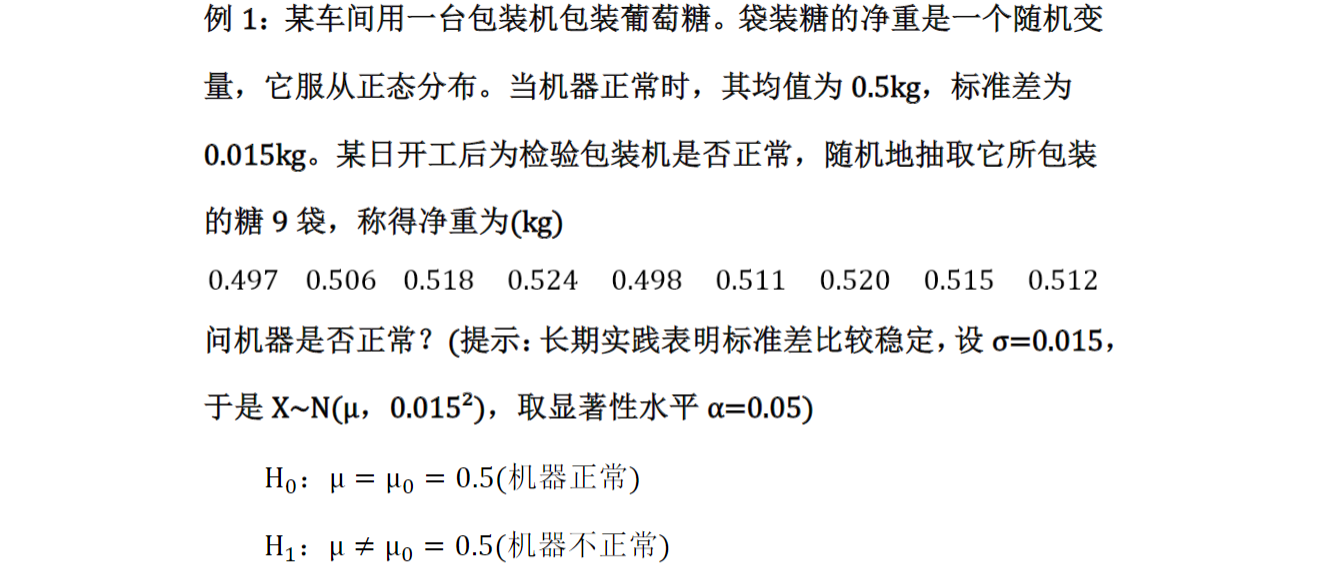


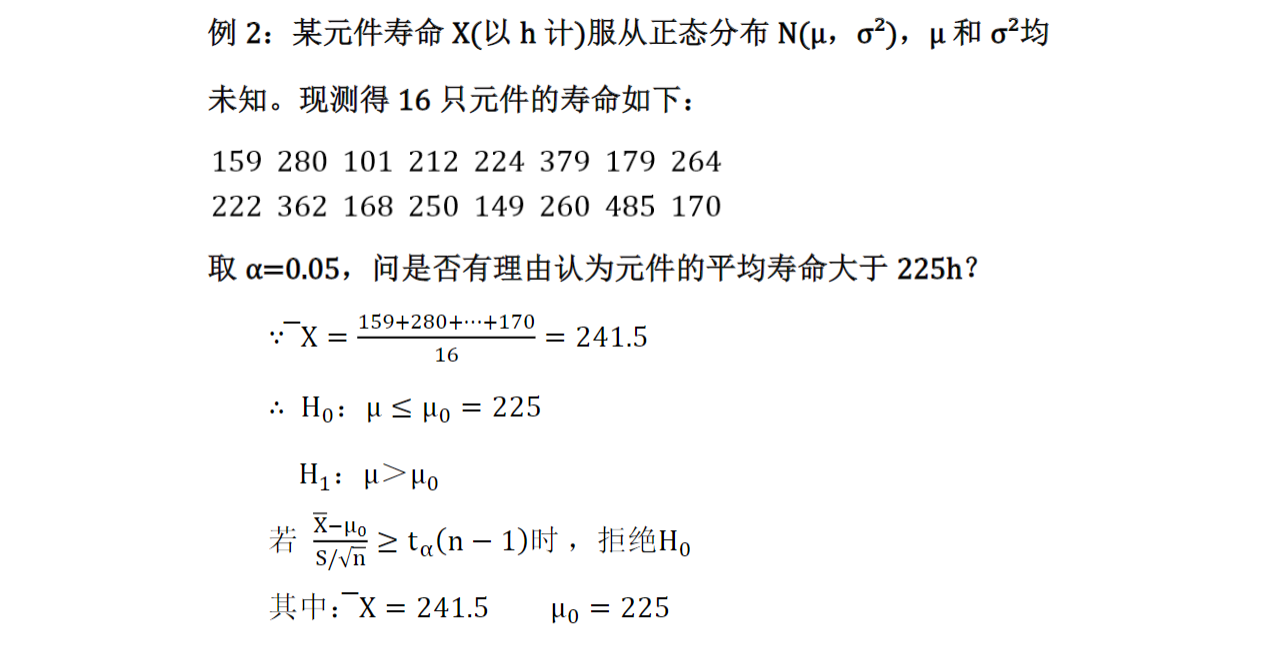


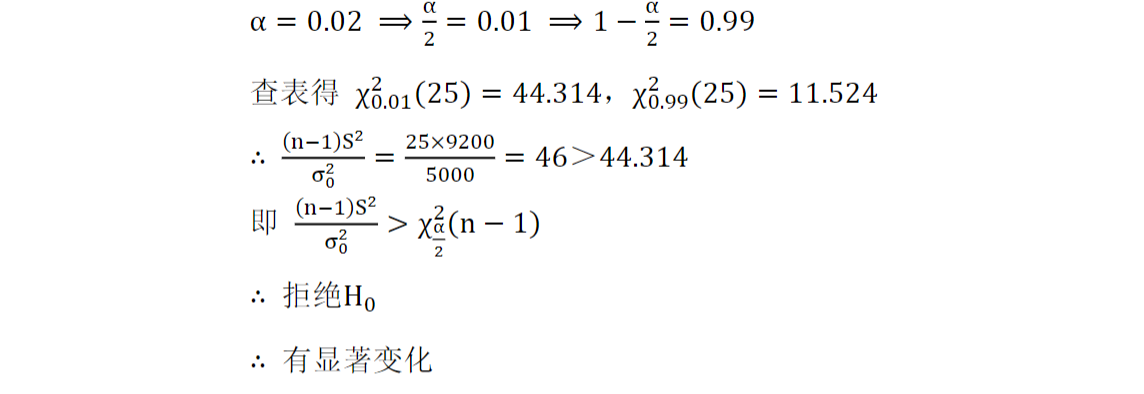
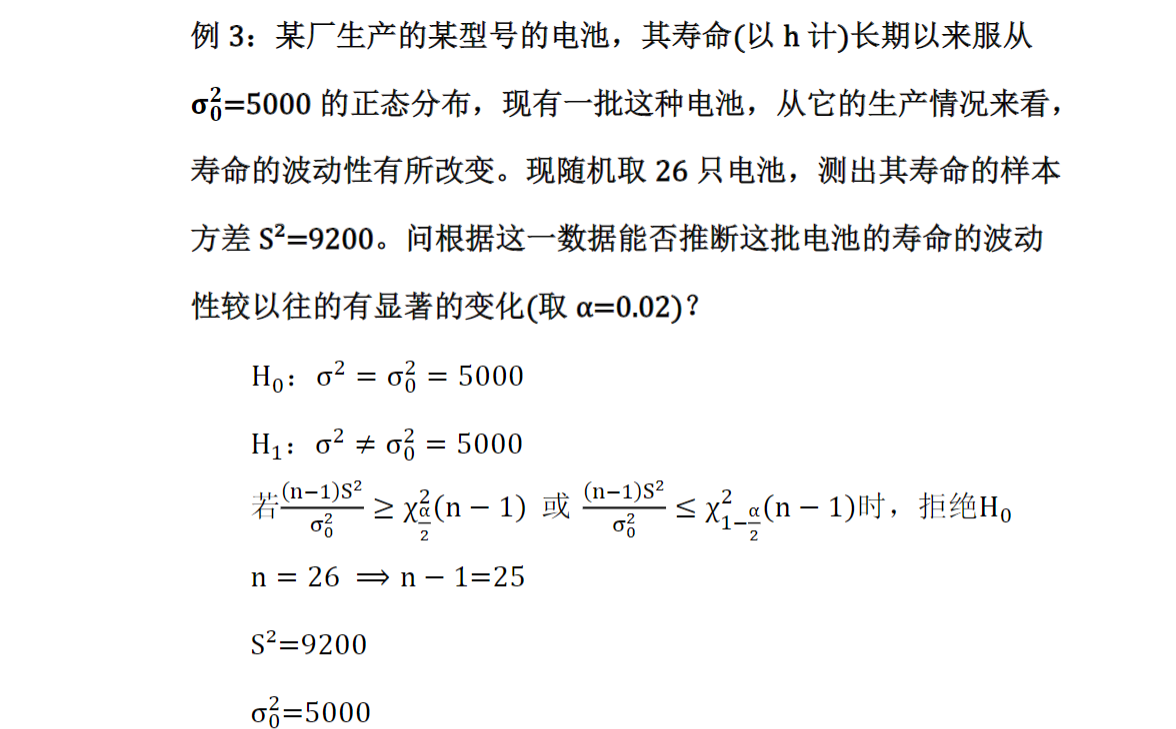
## 假设检验

### 5.1 判断单项参数与某数值关系





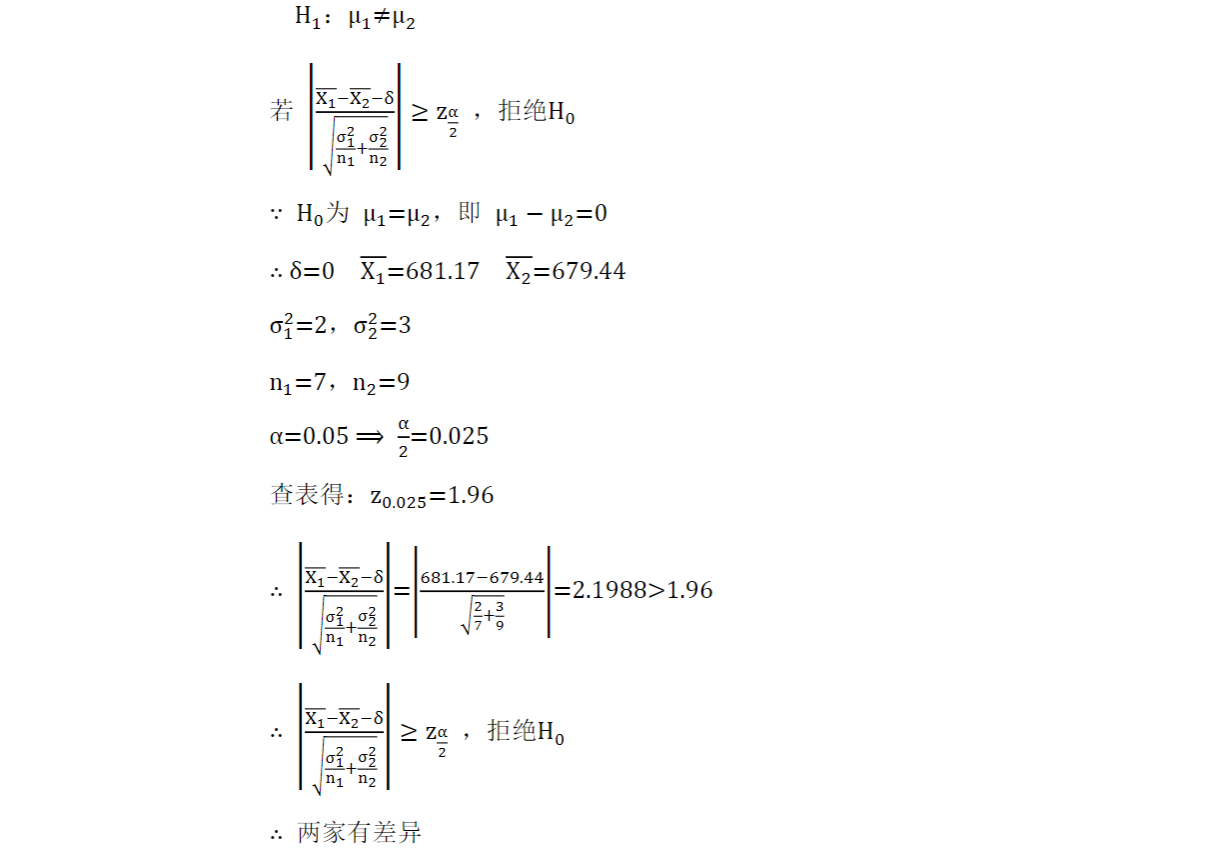
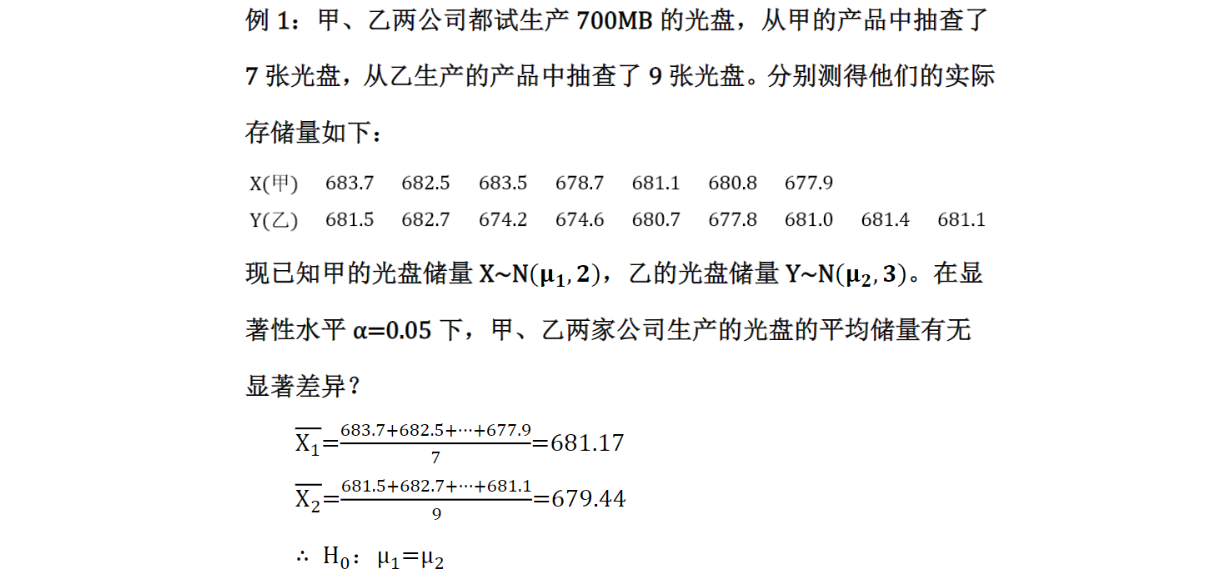


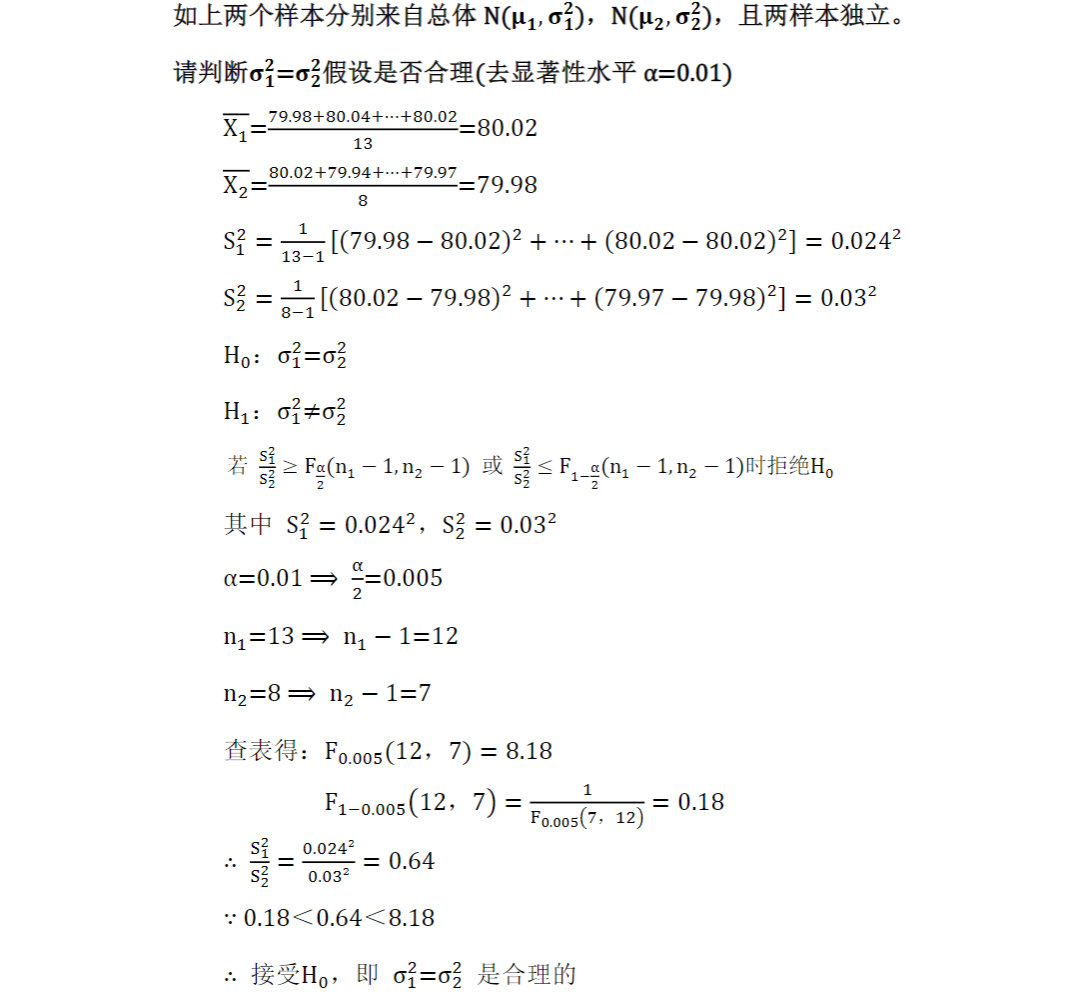


### 5.2 判断两项参数间的关系



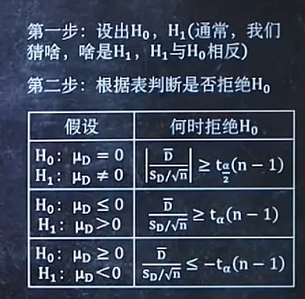
**例题：**



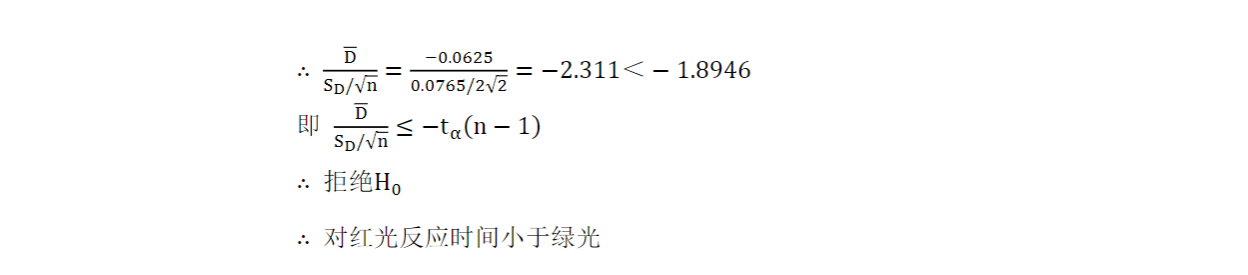
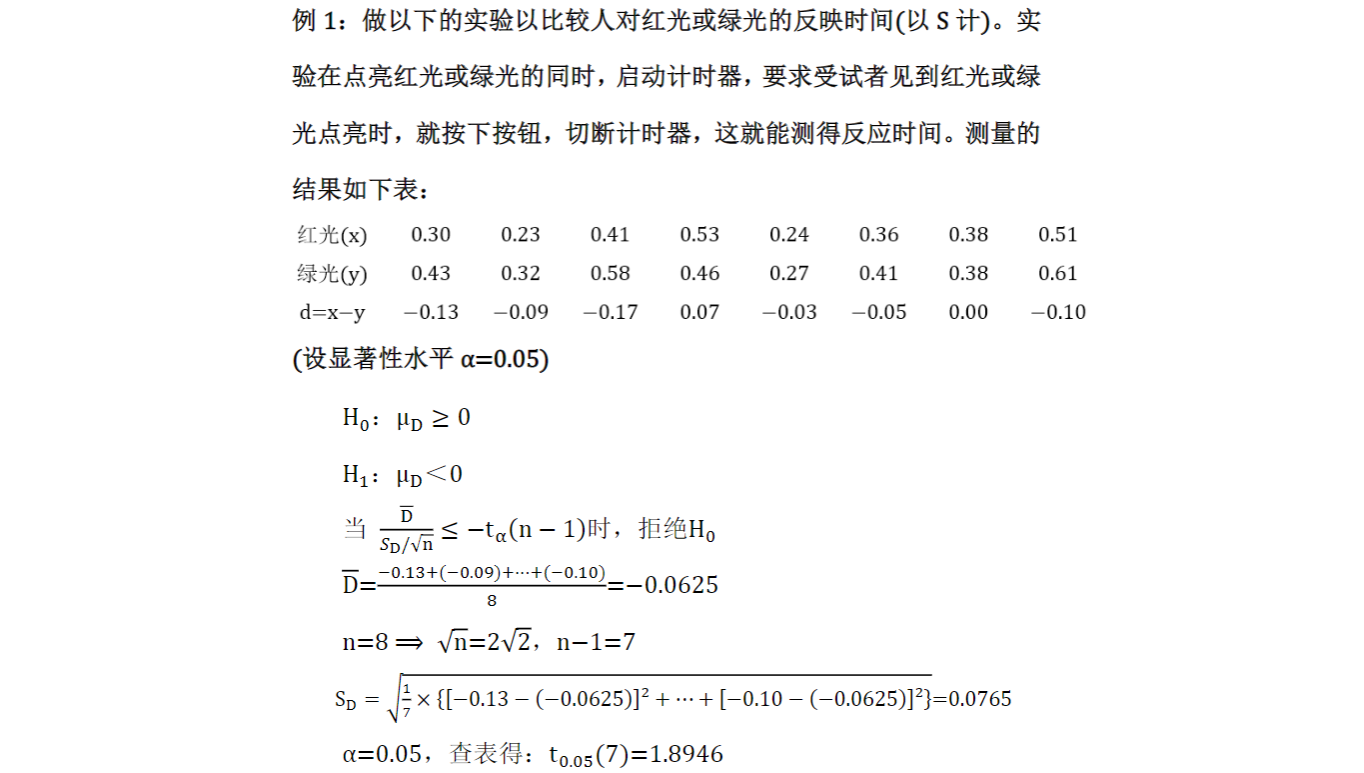


### 5.3 对于成对数据的检验

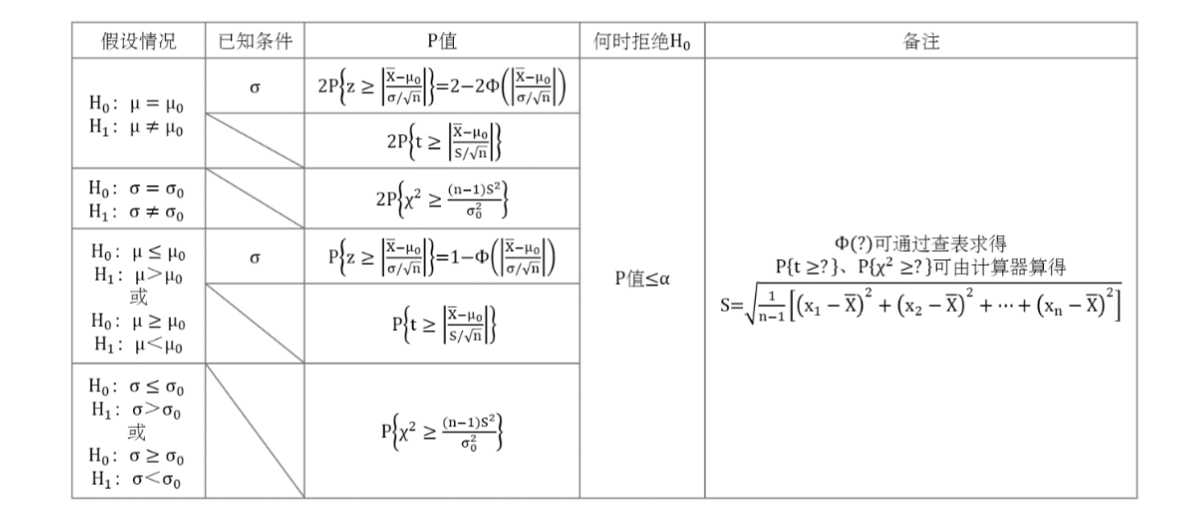
**做题步骤：**



**例题：**



### P值检验



**例题：**

