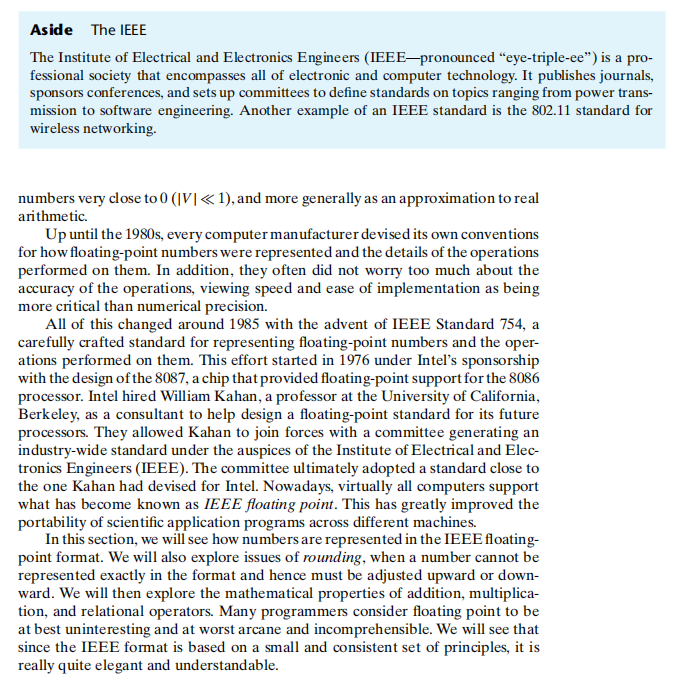
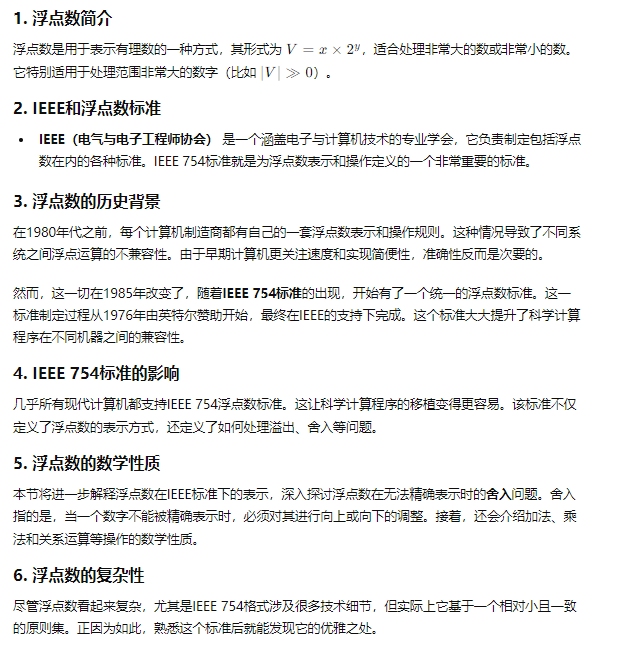
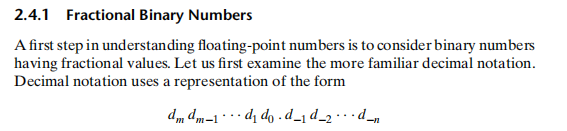
# CSAPP Chapter 2.4 Floating Point 浮点数

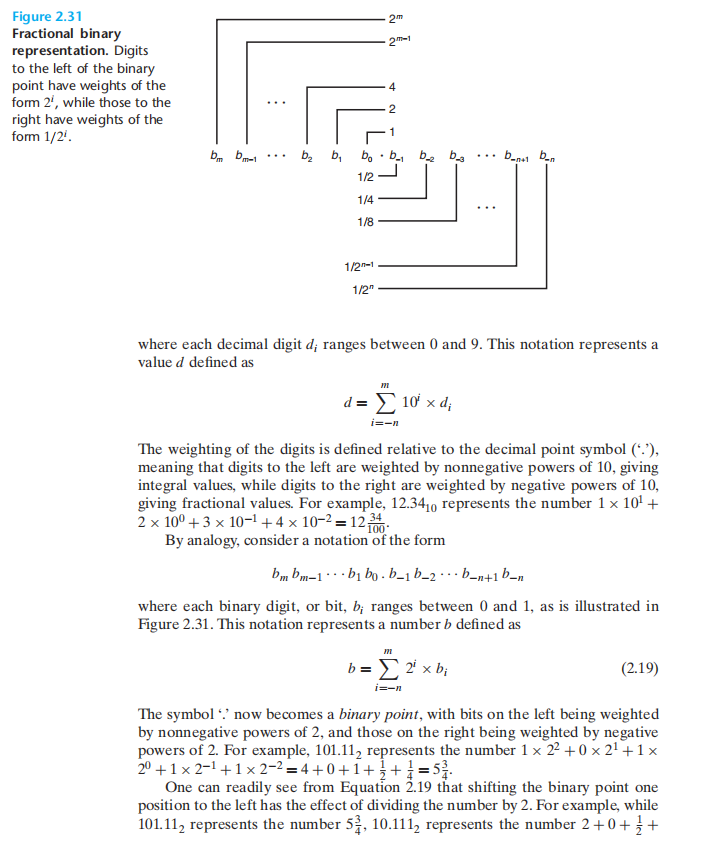
# 1726745085263

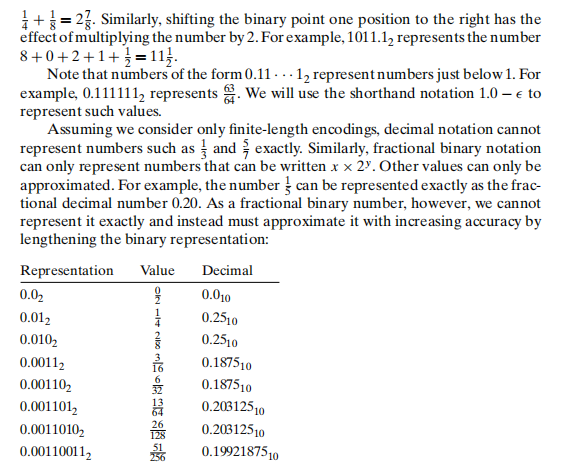


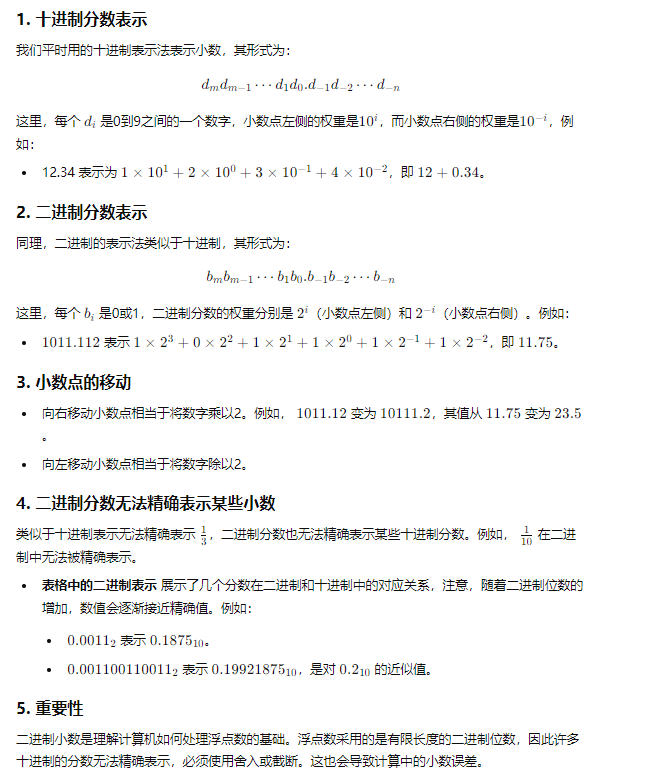


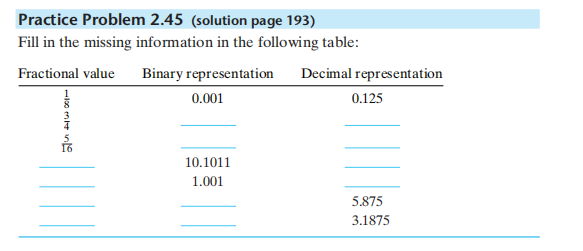
## 2.4.1 Fractional Binary Numbers

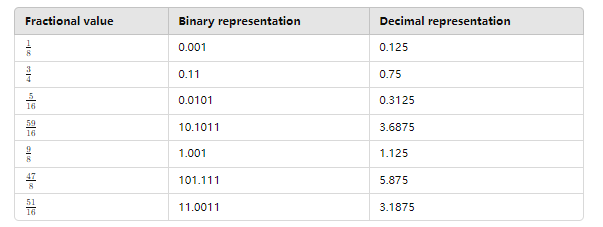


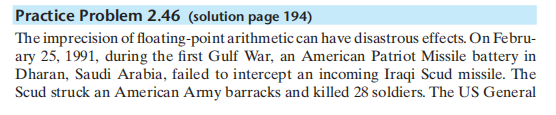


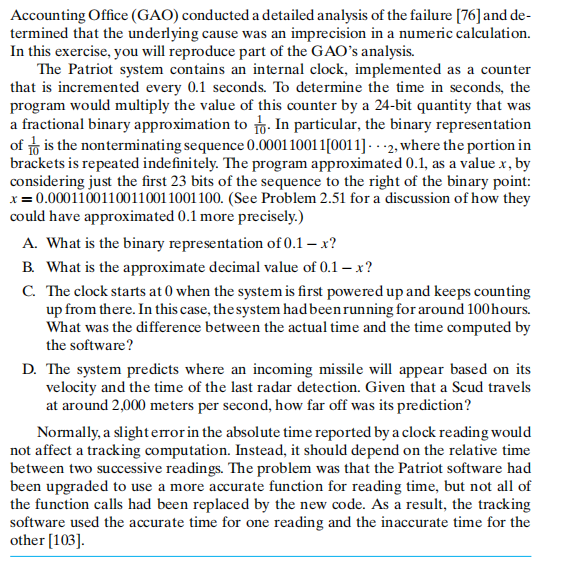


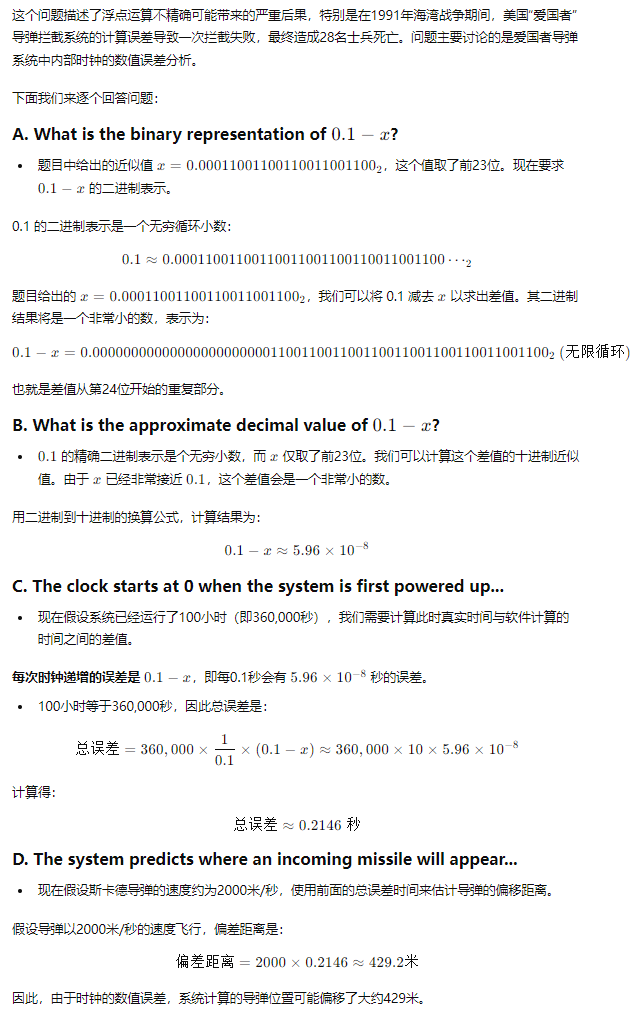




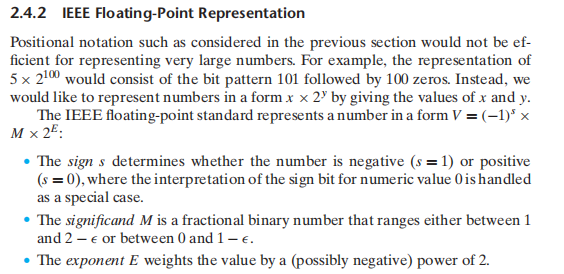


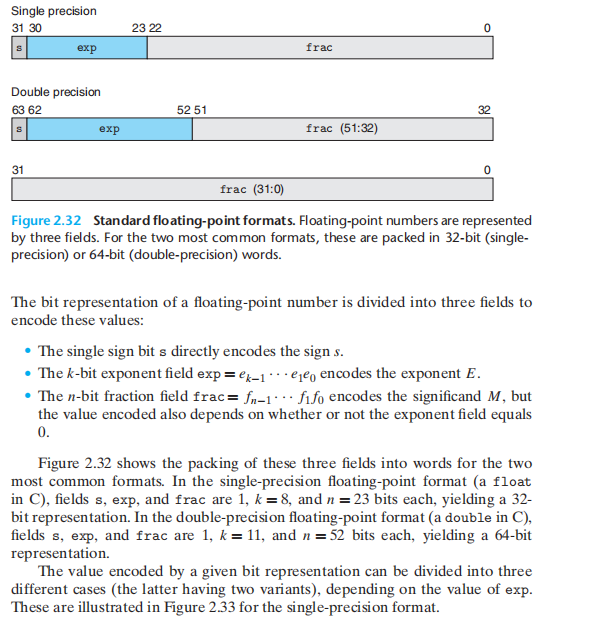


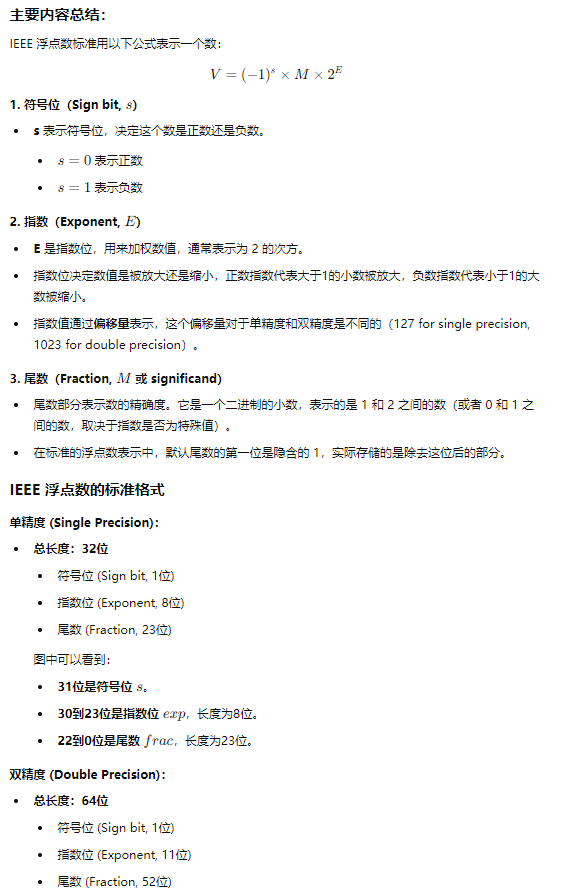


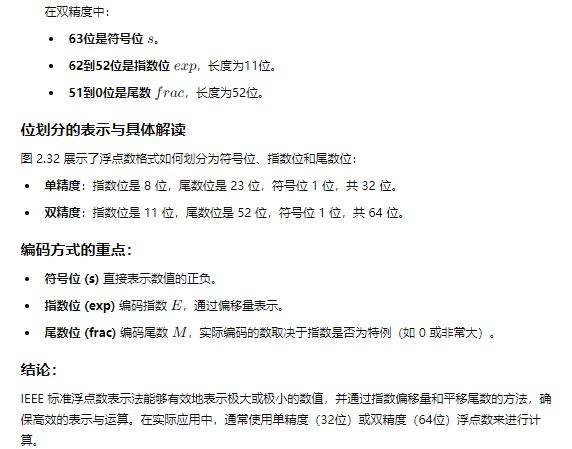


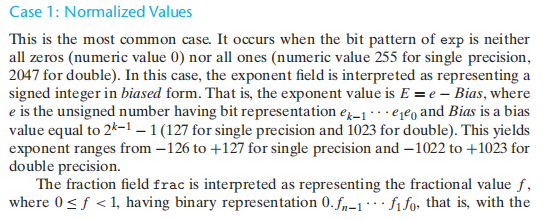
## 2.4.2 IEEE Floating-Point Representation

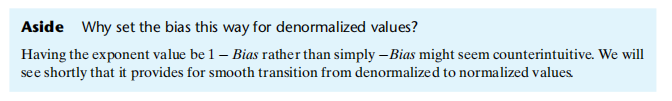


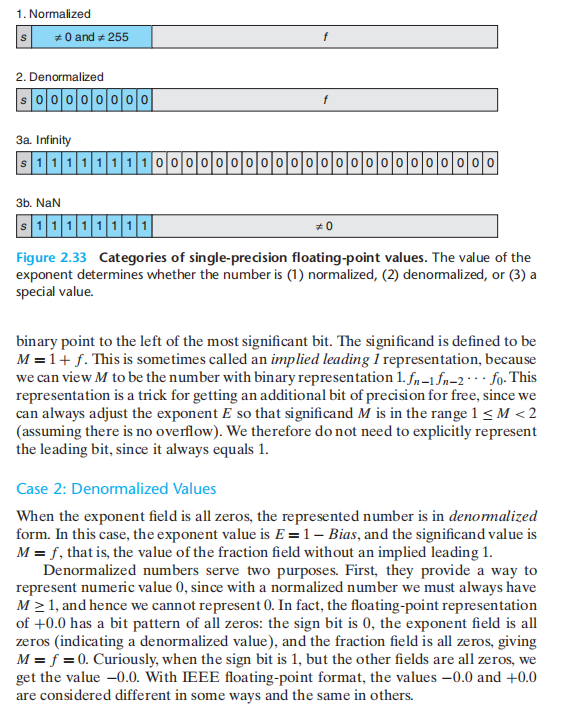


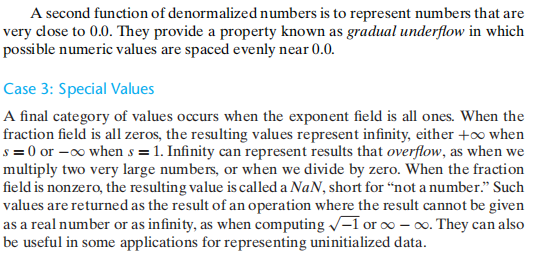


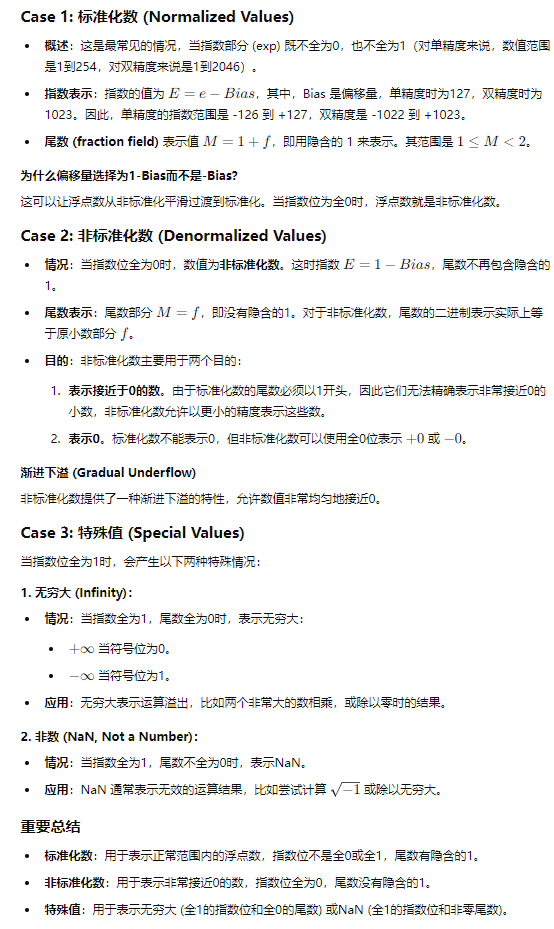




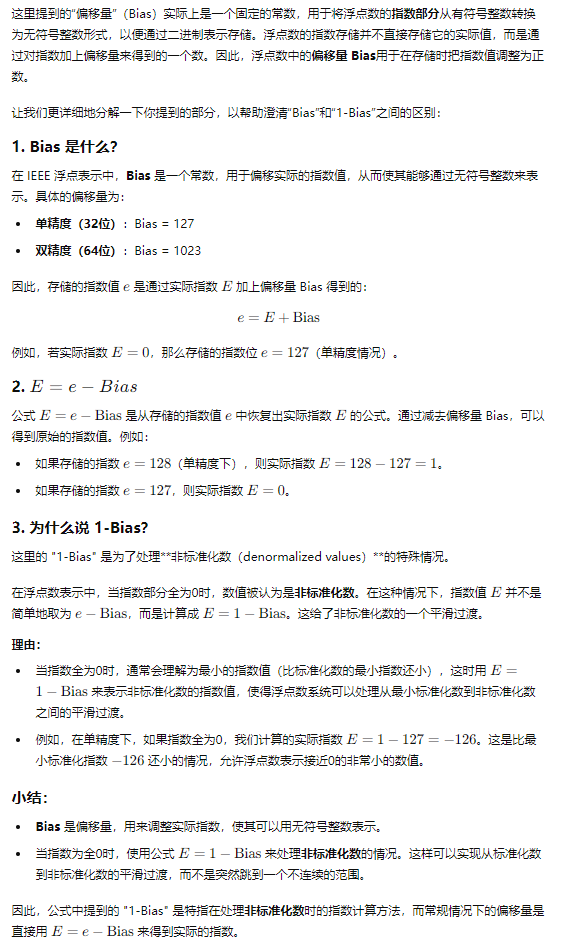




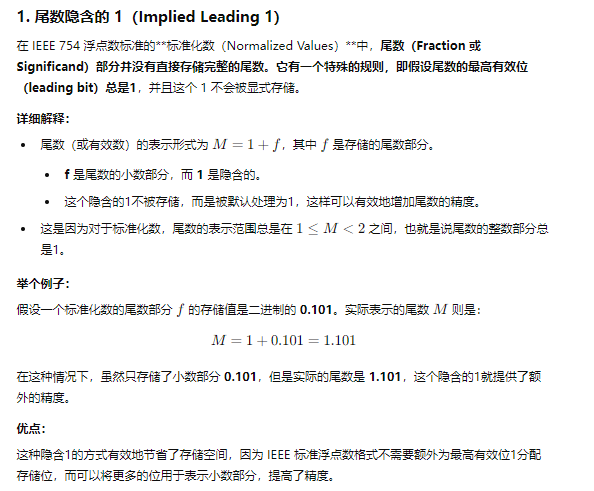




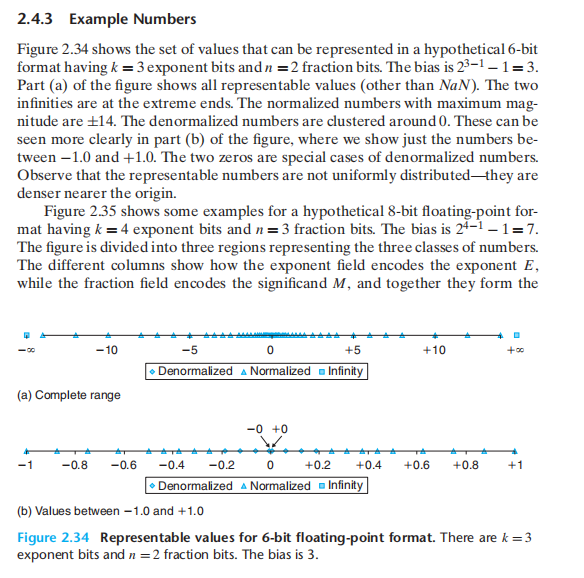
#### 偏移量解释：

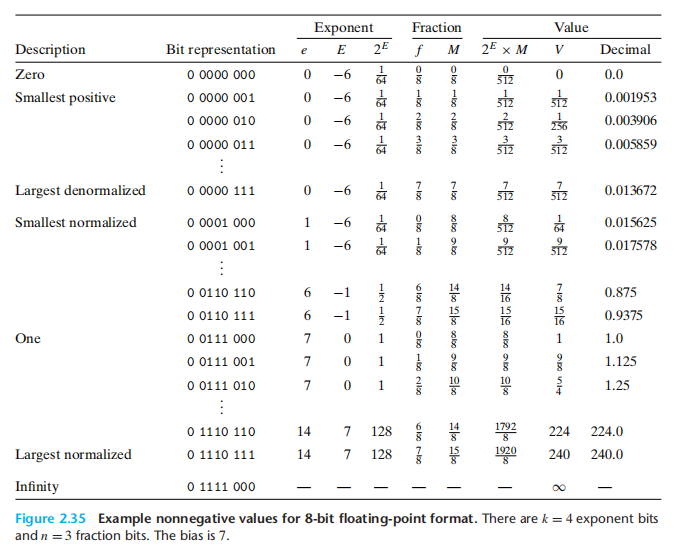


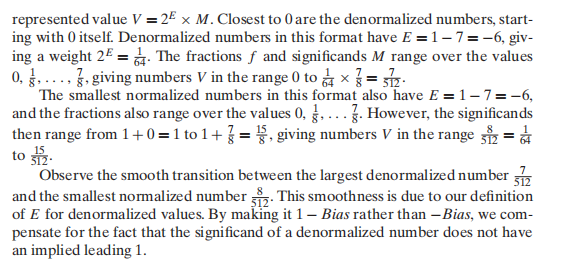
#### 尾数隐含一解释：

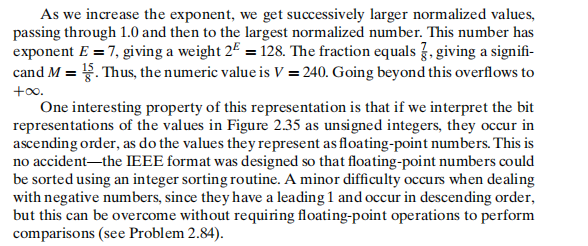


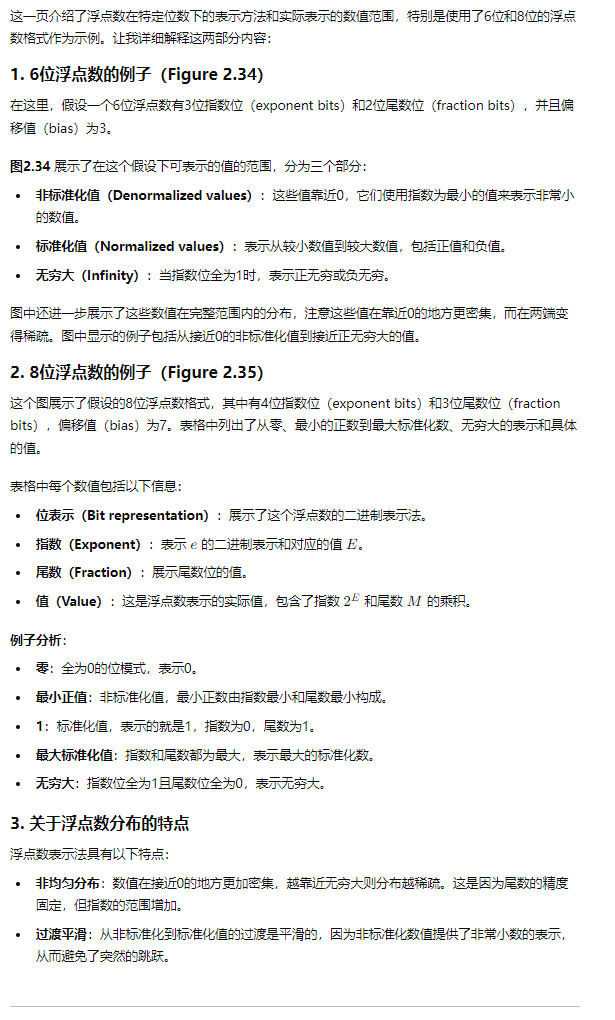
## 2.4.3 Example Numbers

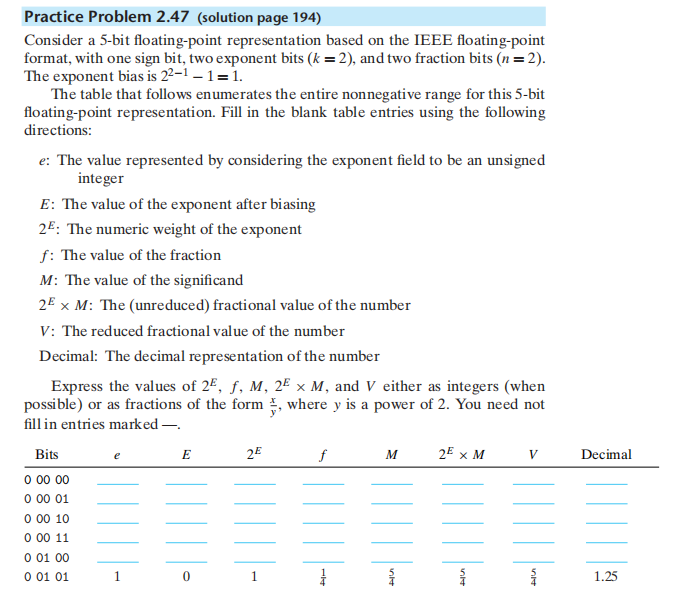


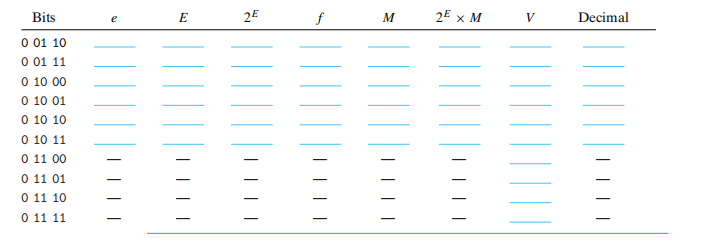


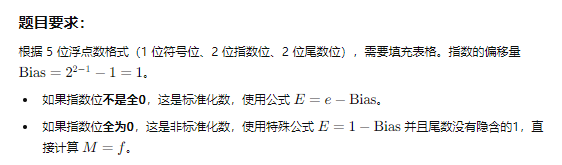


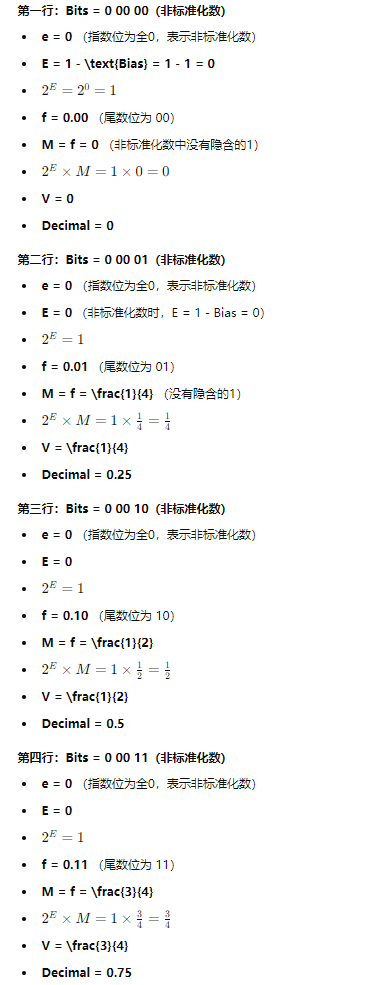


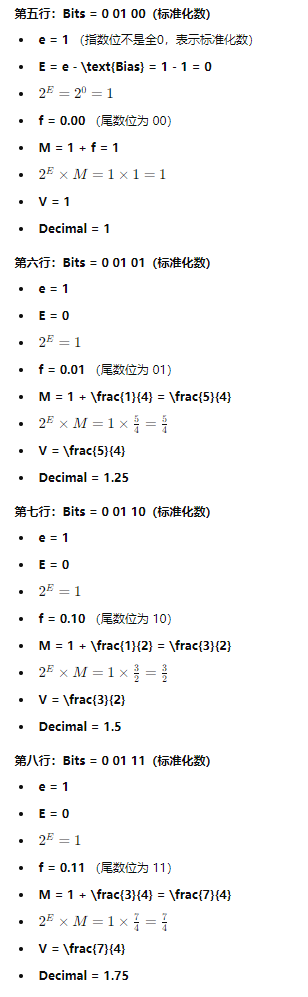




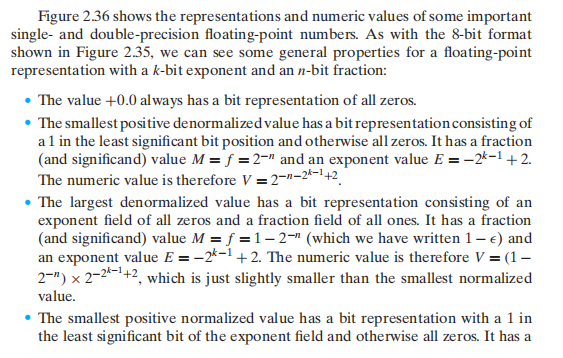


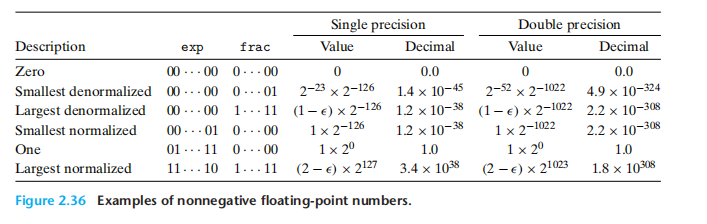


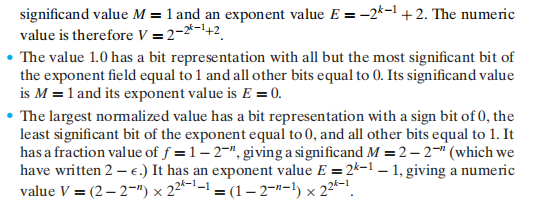


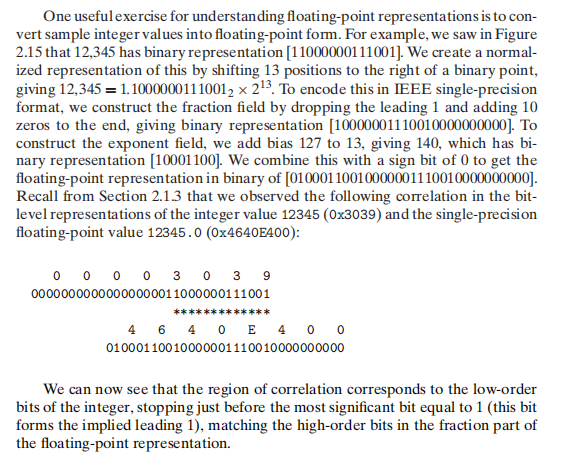


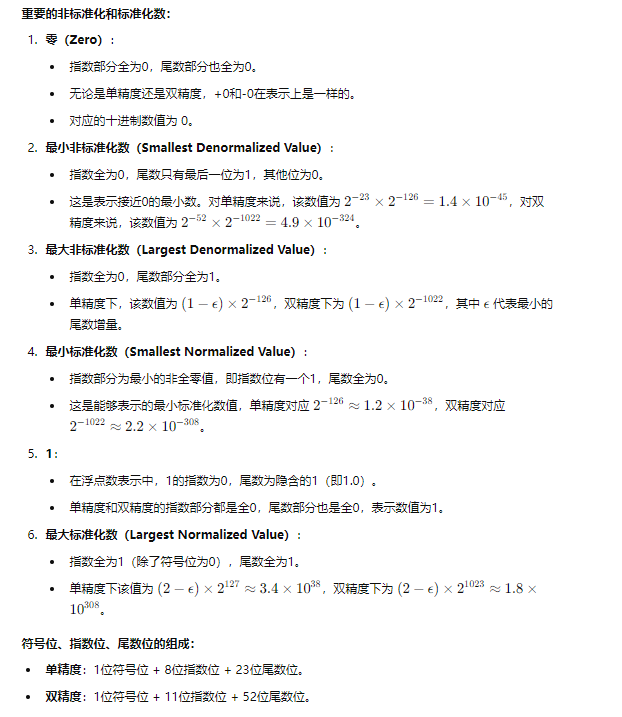


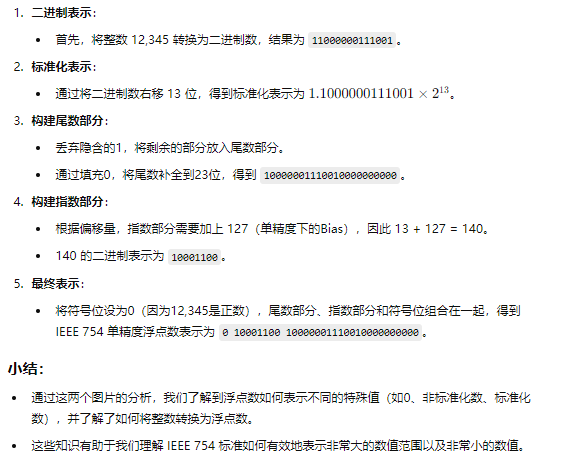


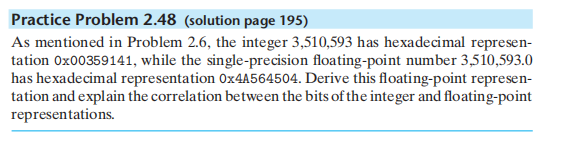


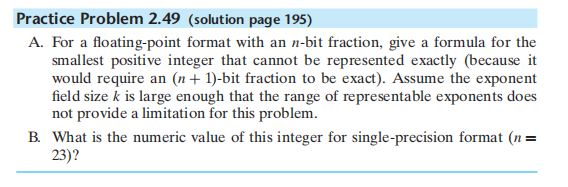


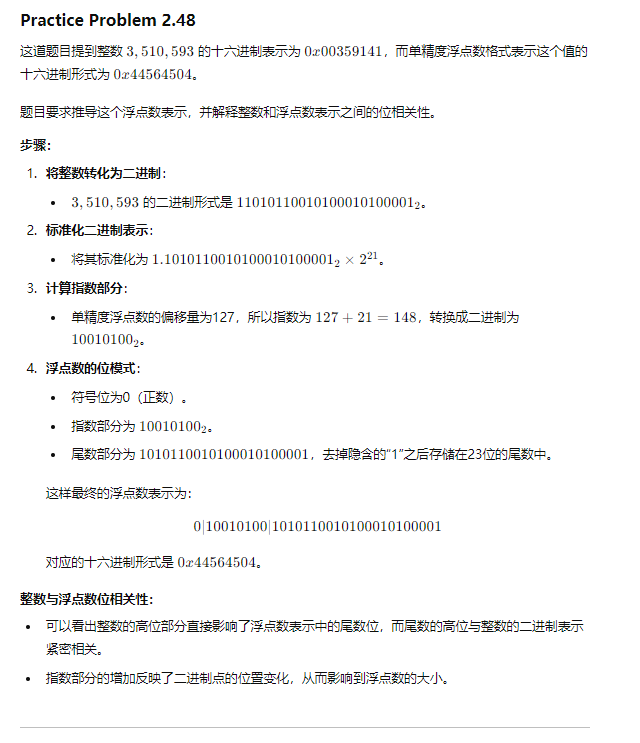


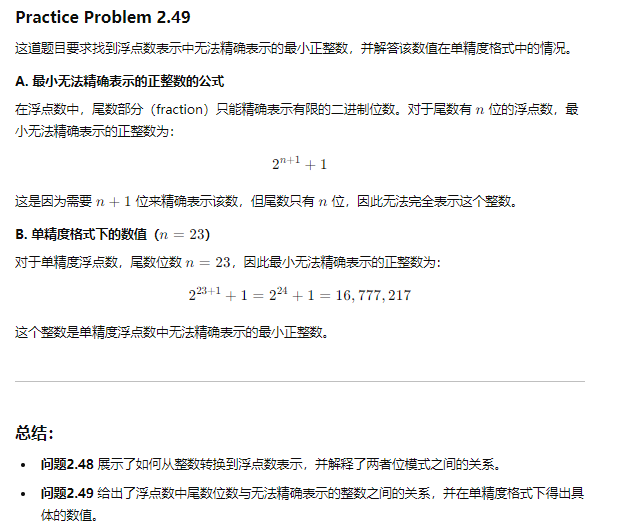




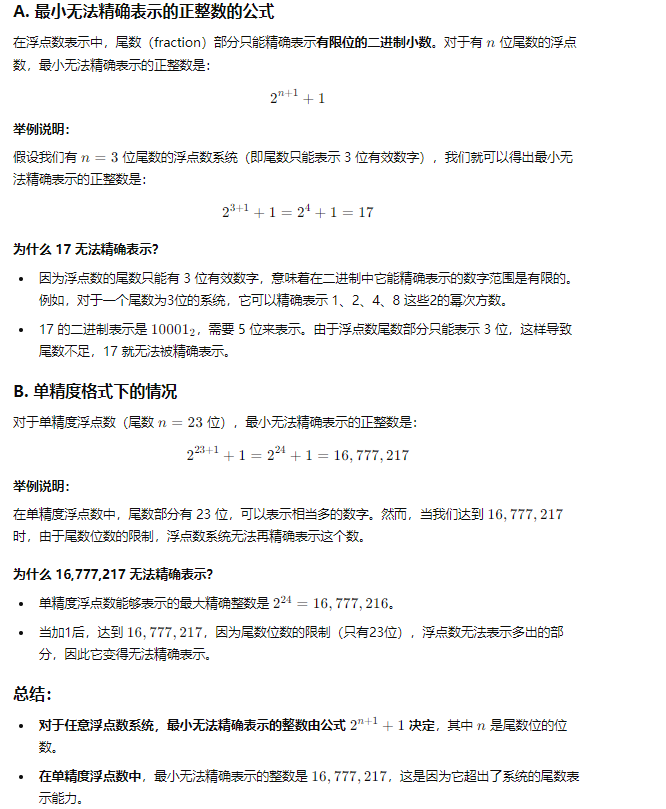




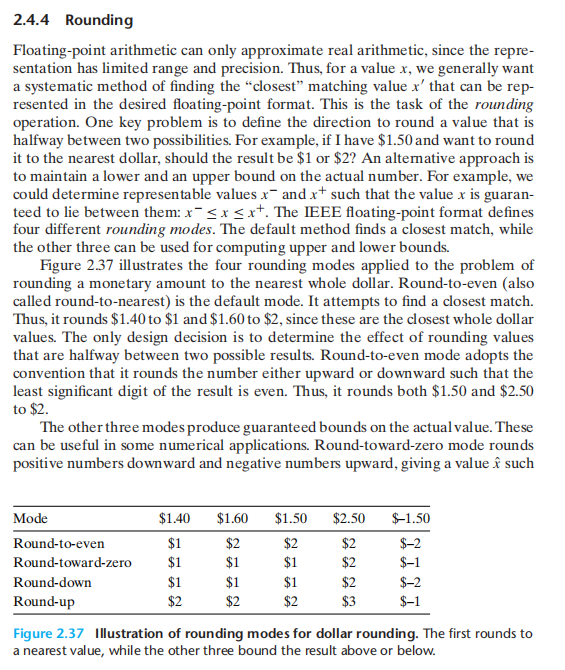


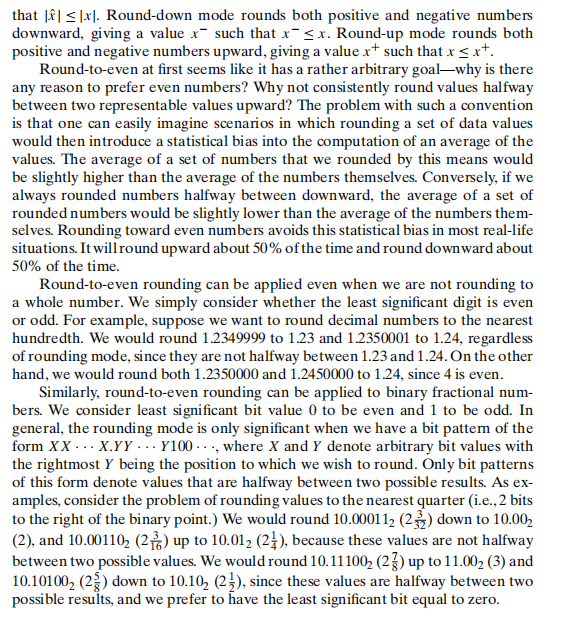


#### 2.49解释：

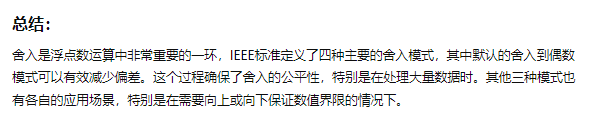


## 2.4.4 Rounding

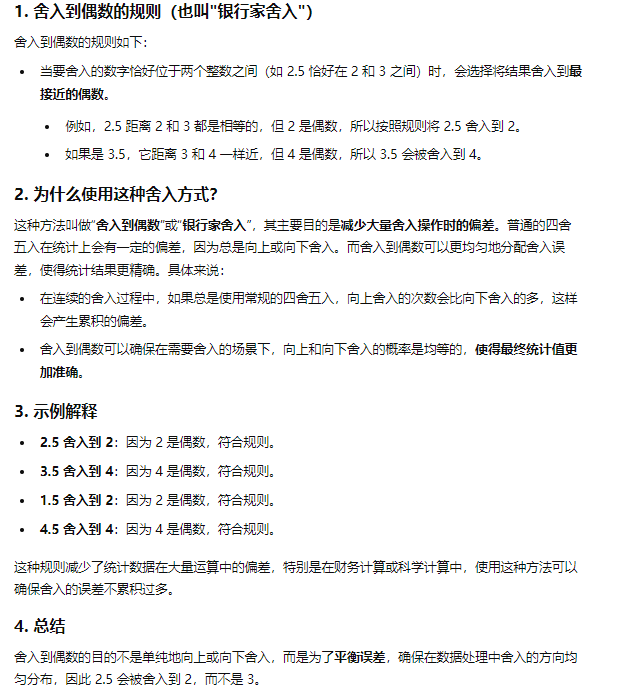


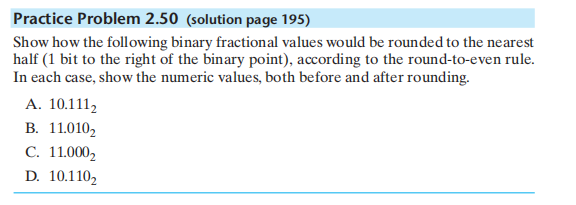


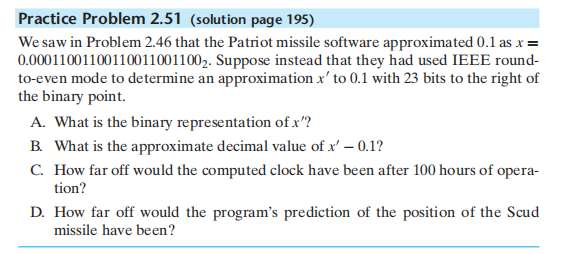


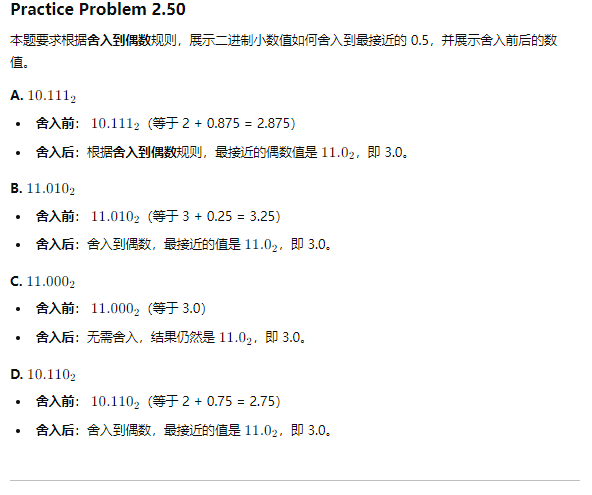


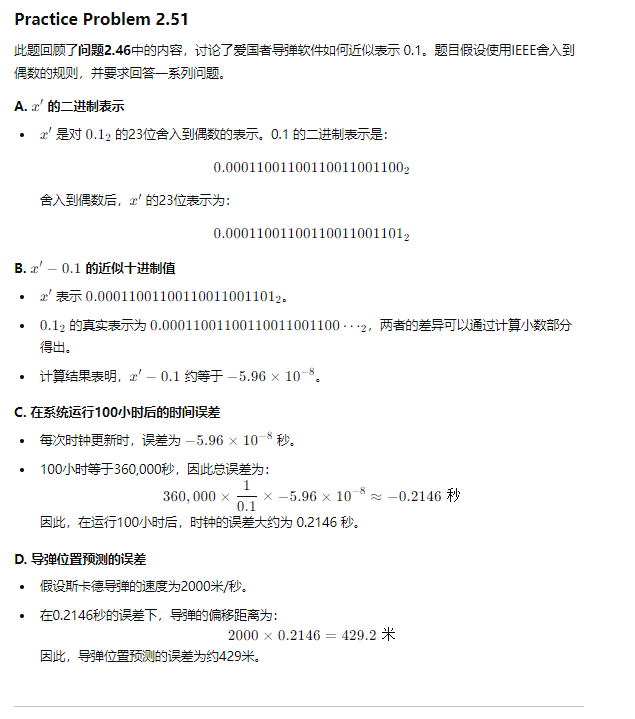
#### 舍入到偶数解释：

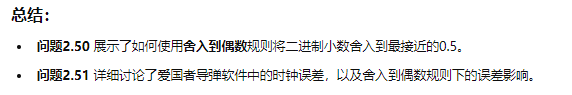


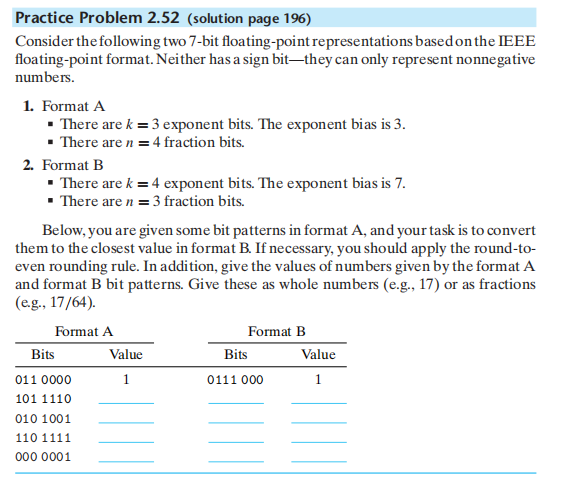


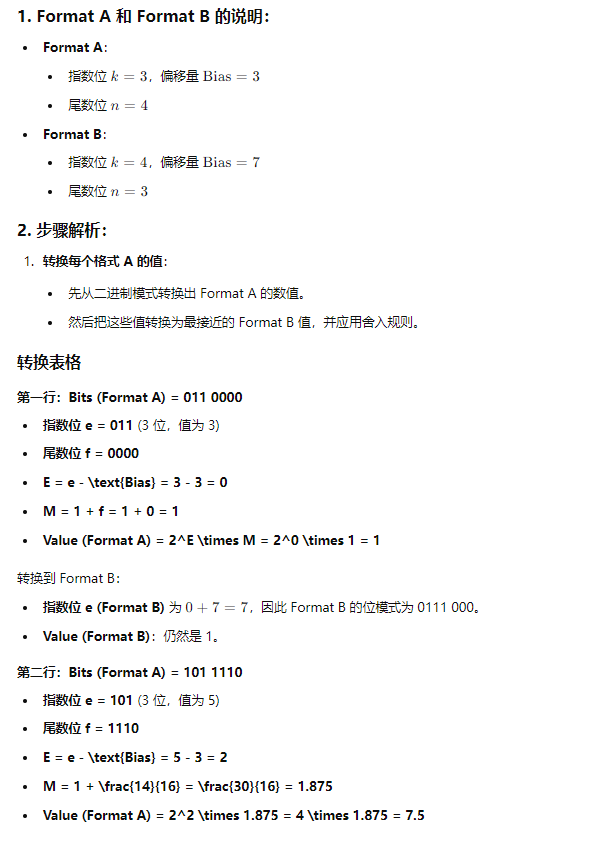




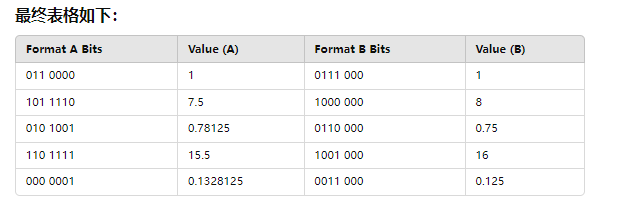




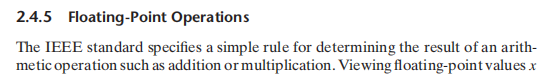


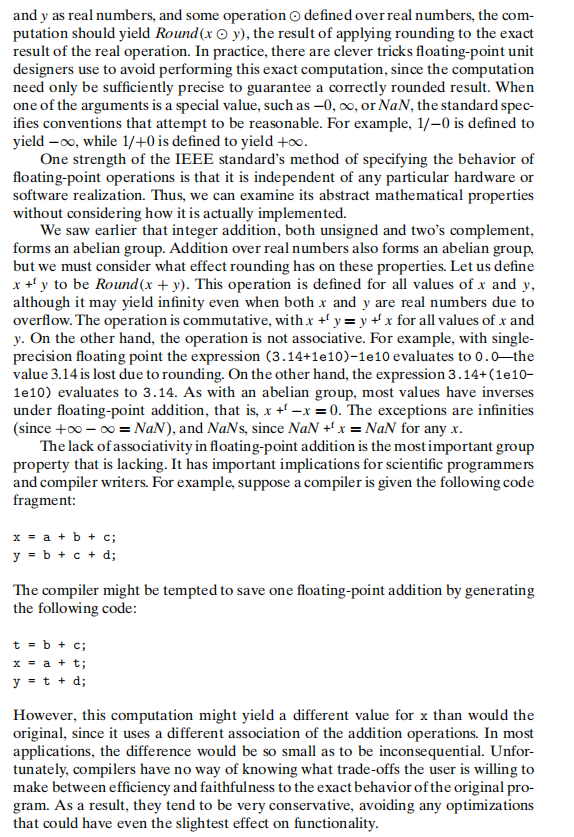


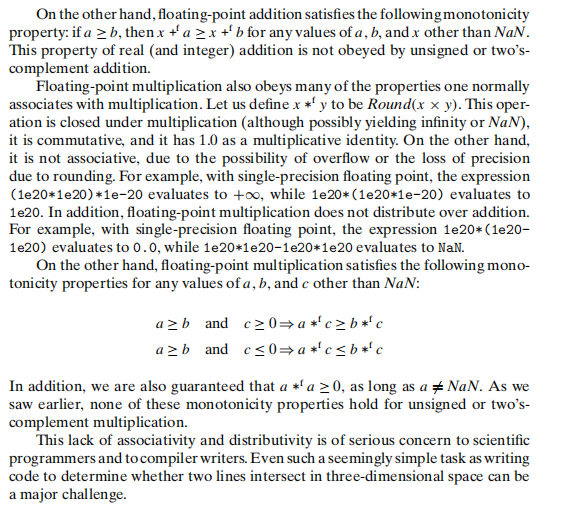




## 2.4.5 Floating-Point Operations



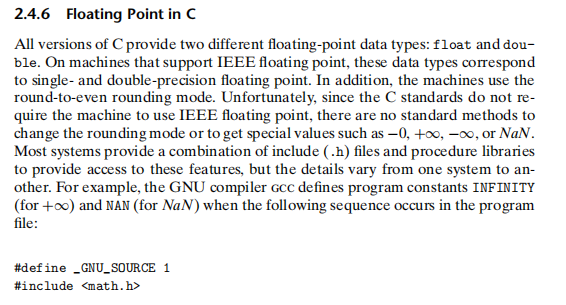




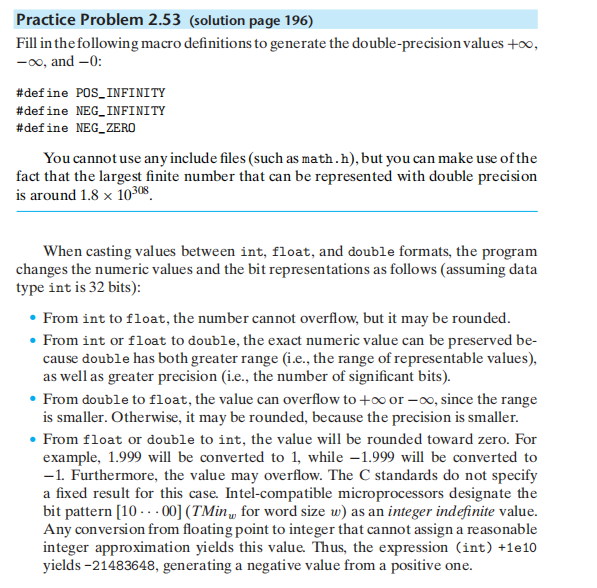


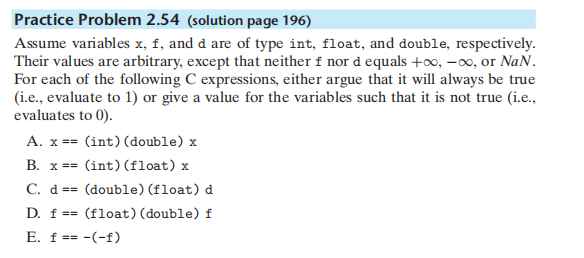


## 2.4.6 Floating Point in C

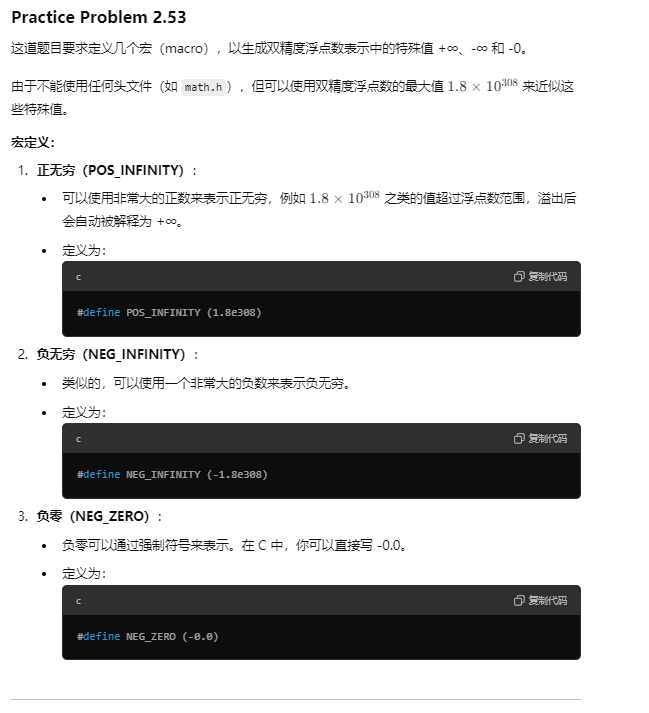














## 2.5 Summary

