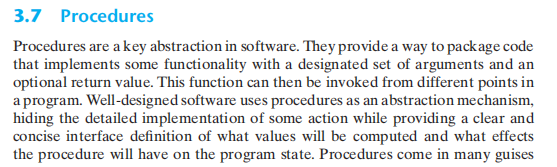
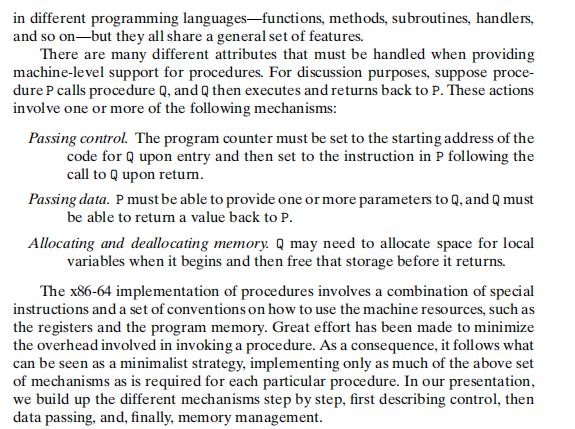
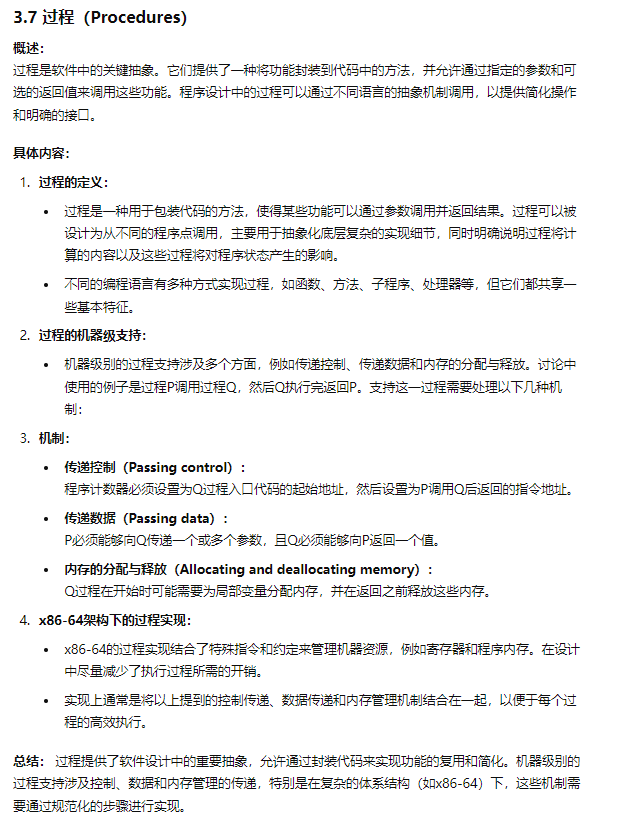
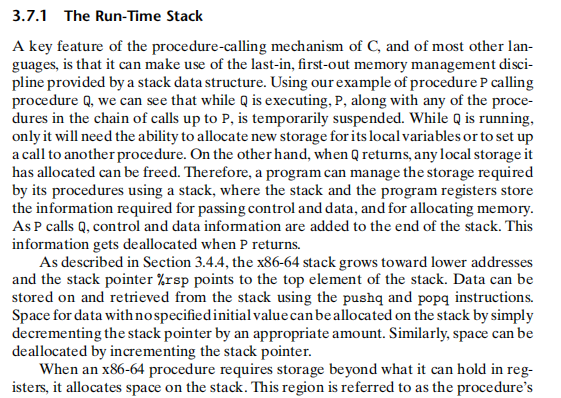
# Chapter 3.7 Procedures

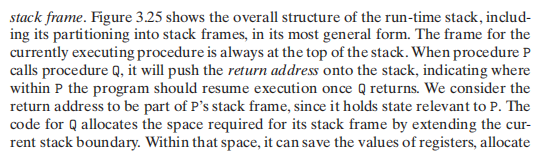


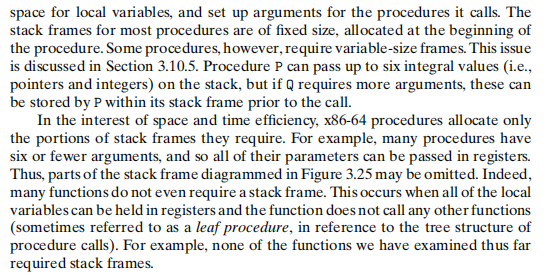




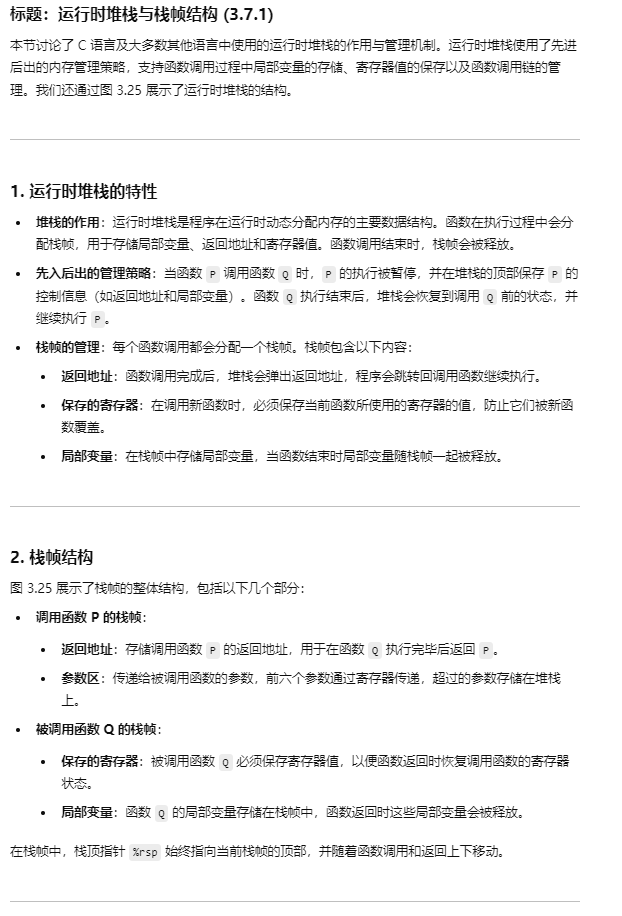
## 3.7.1 The Run-Time Stack





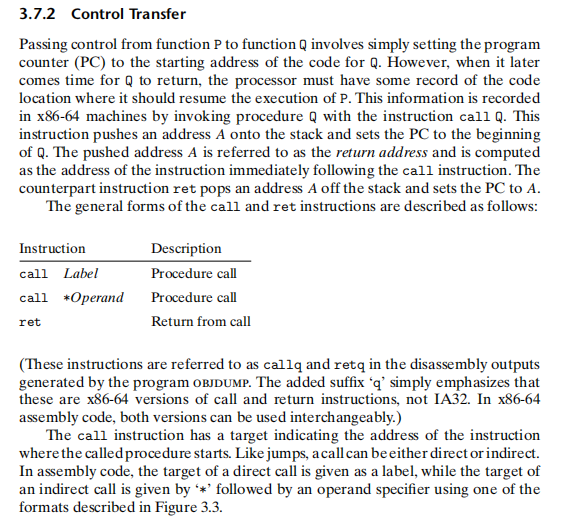


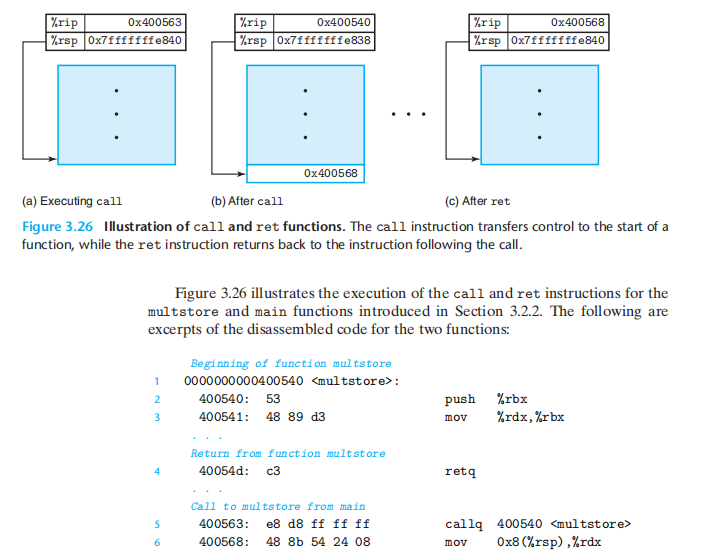


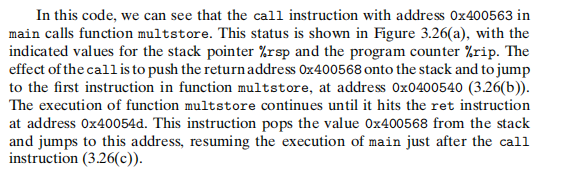




## 3.7.2 Control Transfer

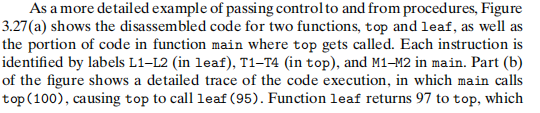


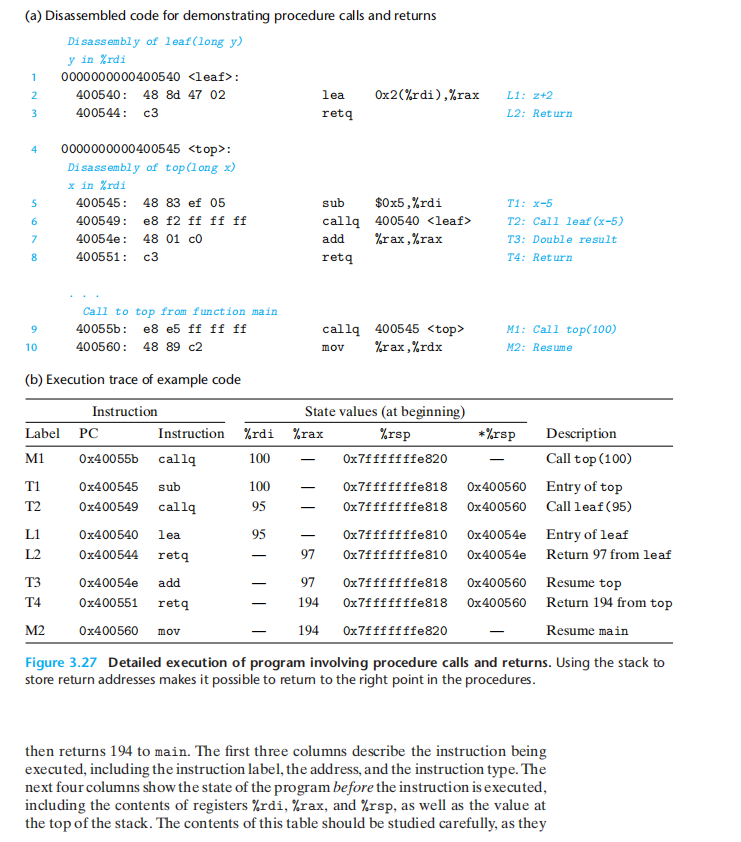


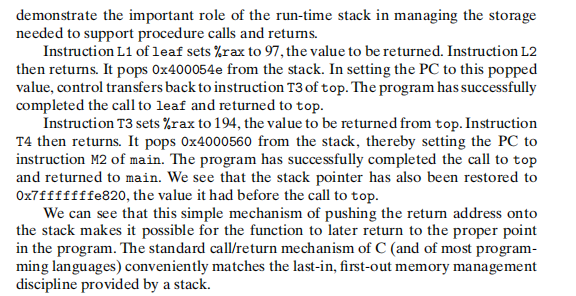


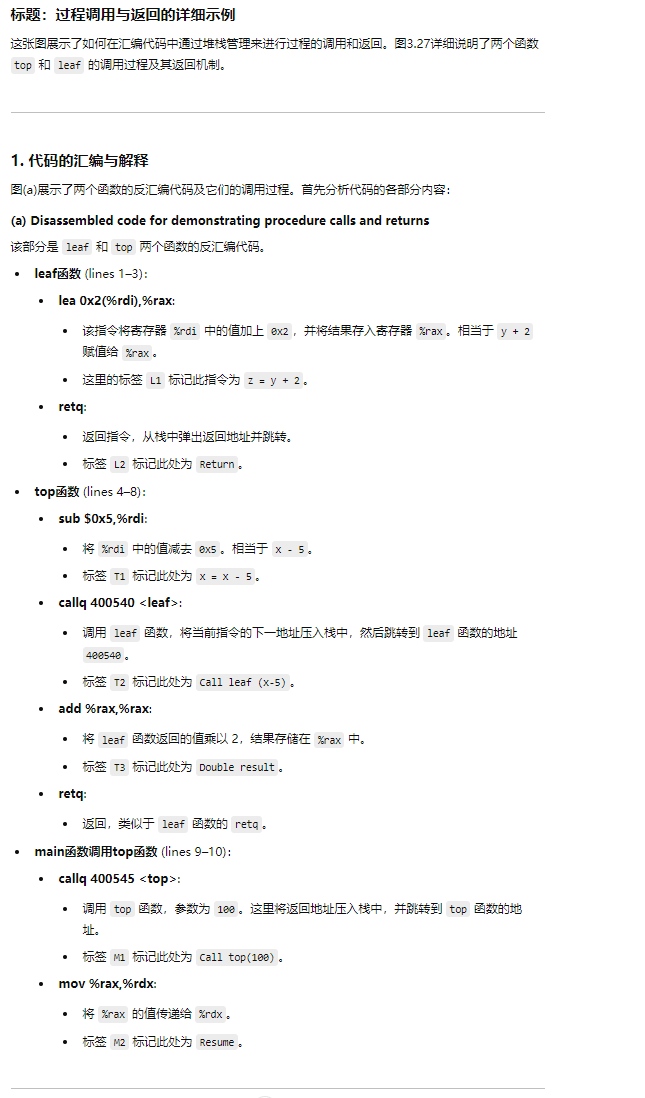


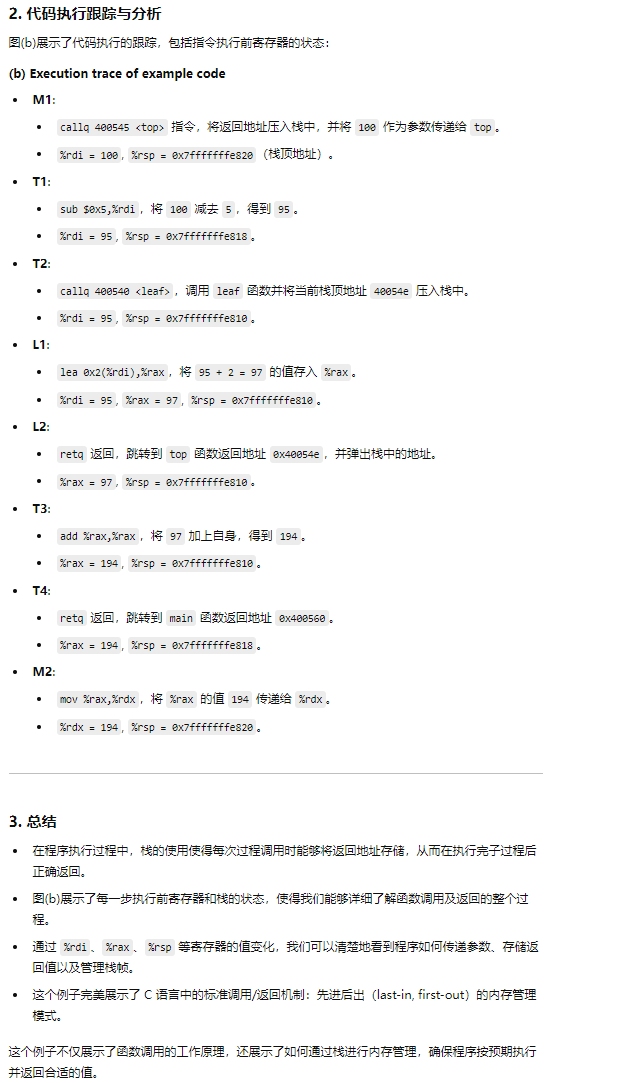




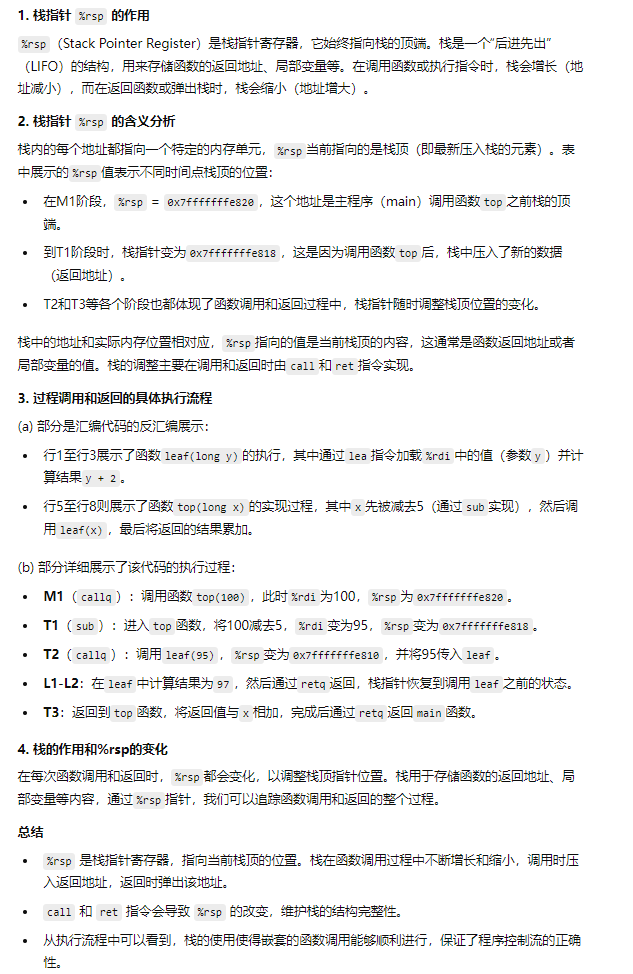


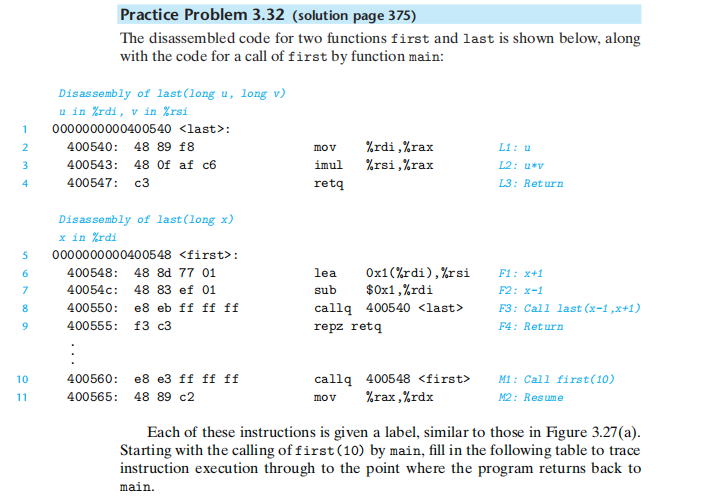


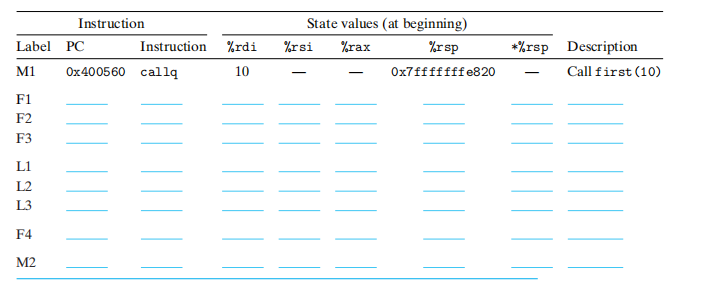


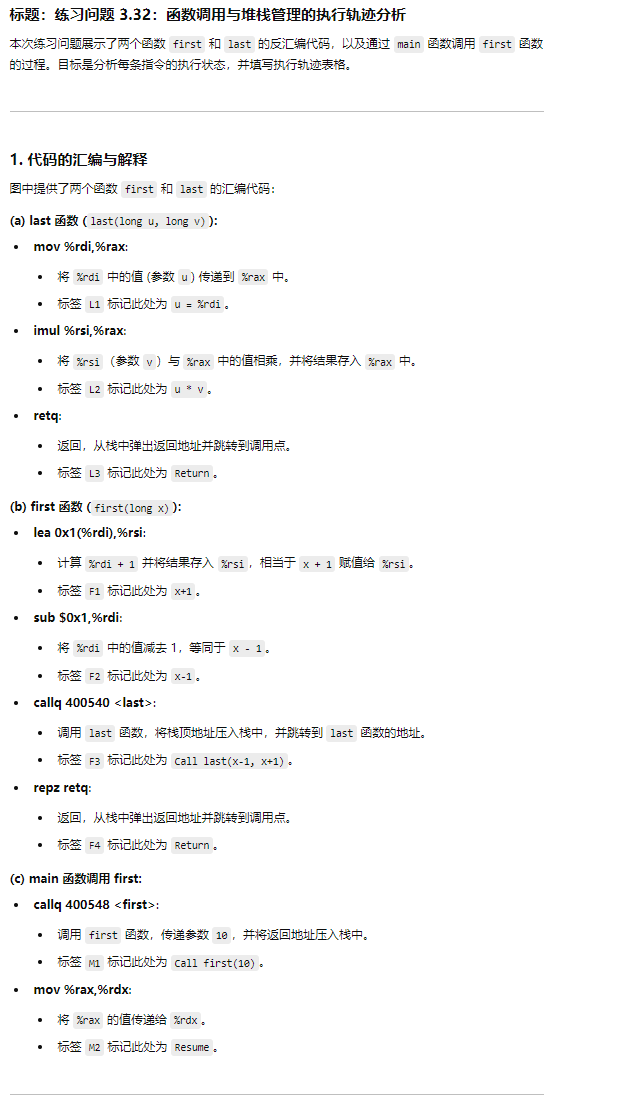


### %rsp寄存器与栈内存的含义解析:



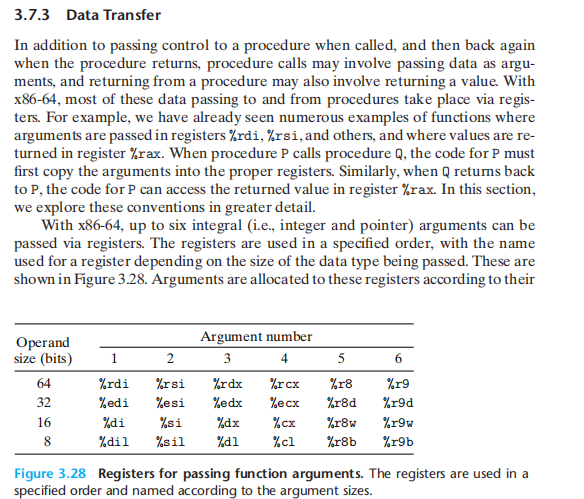


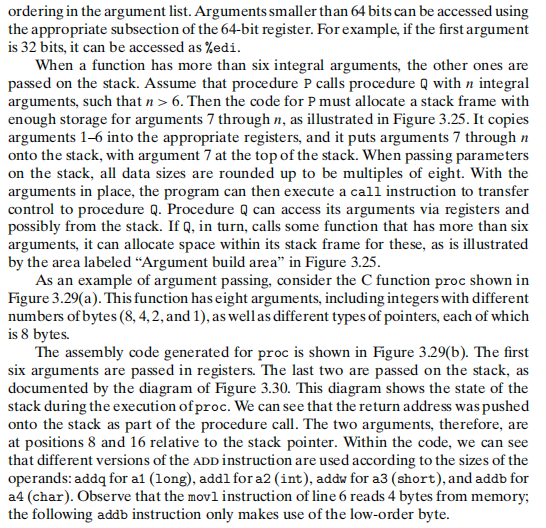


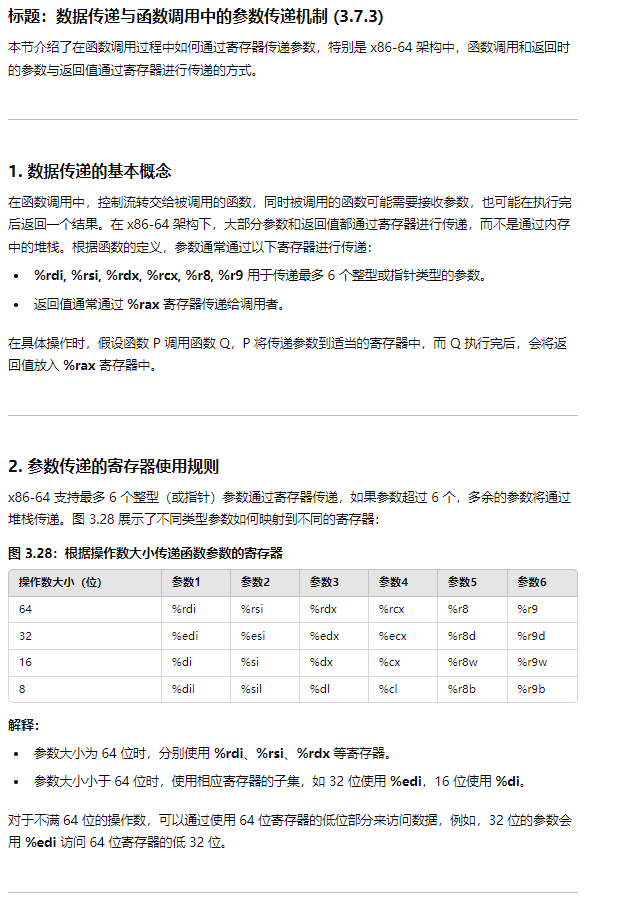




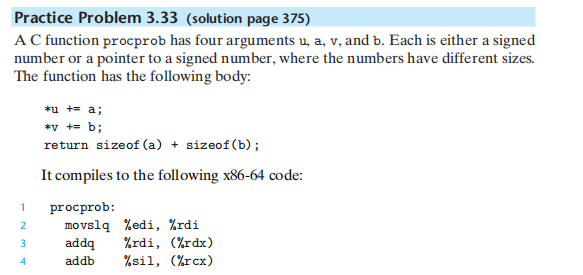
## 3.7.3 Data Transfer

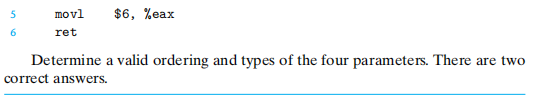
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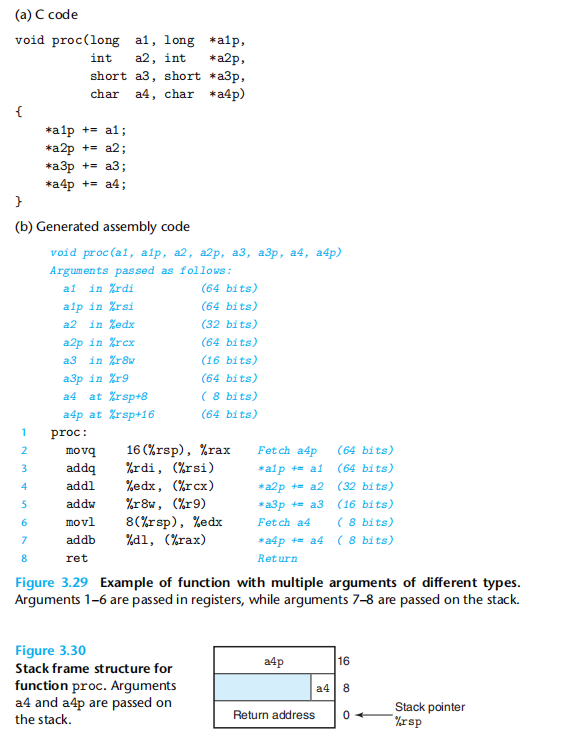












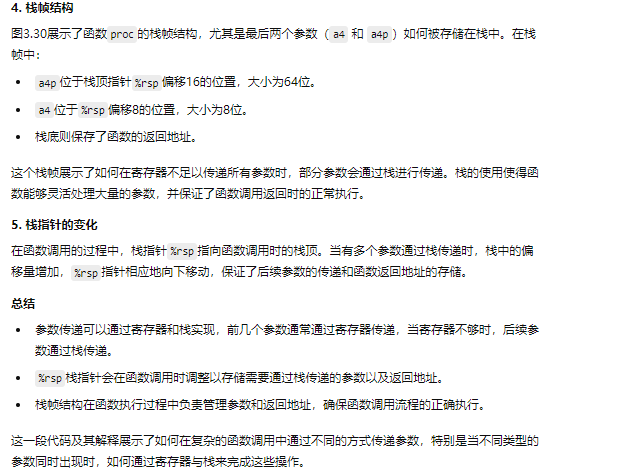


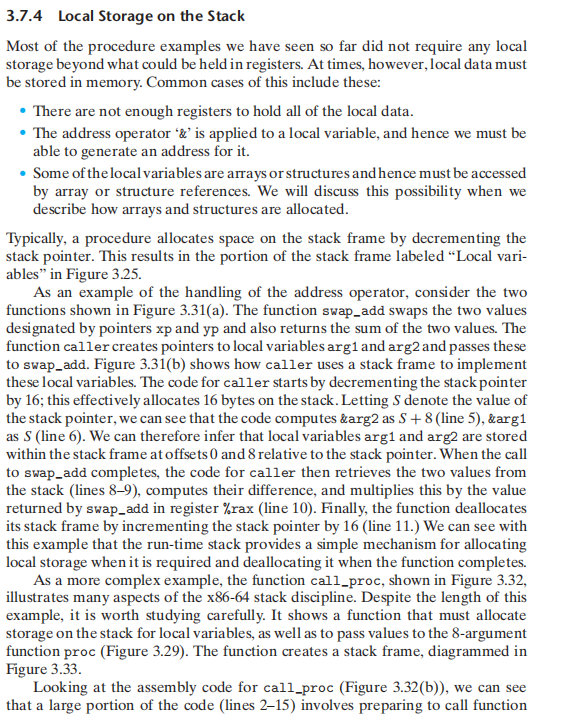


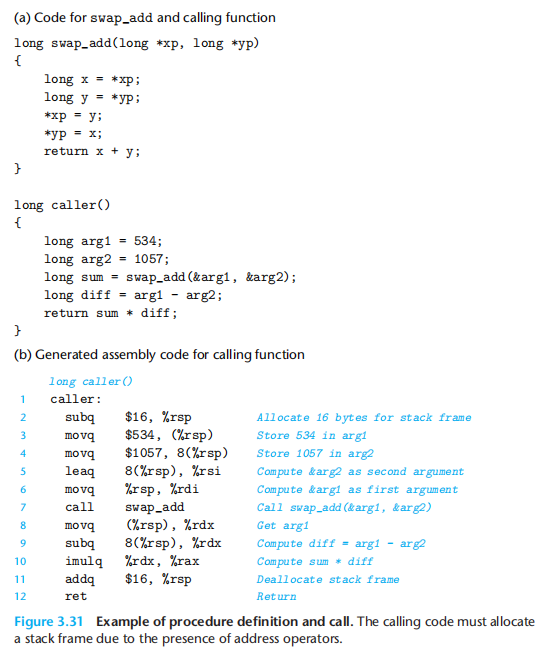


### 不同类型参数的传递与栈帧结构分析:





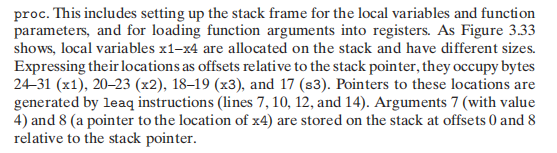


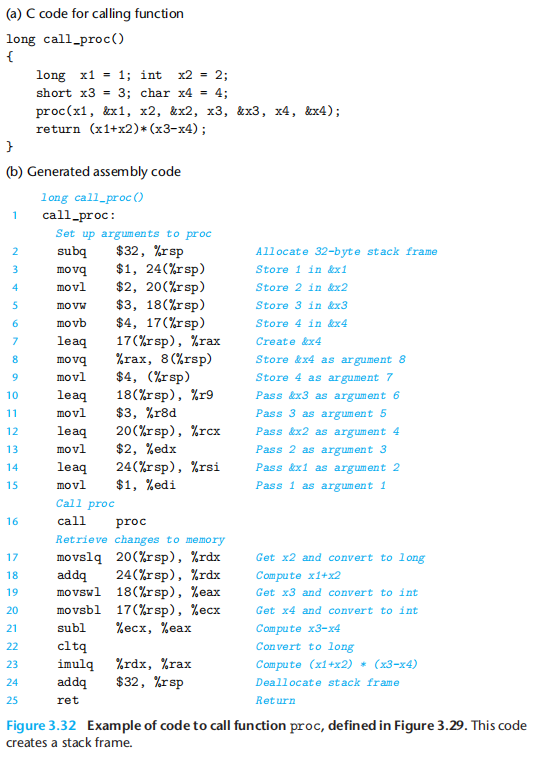


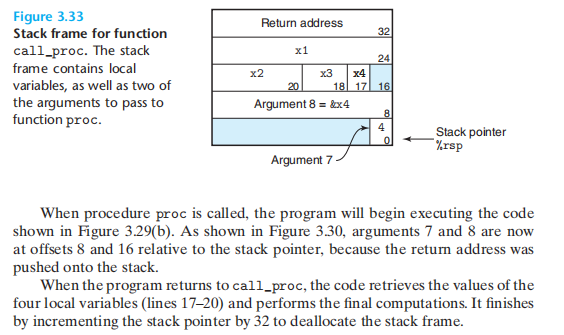




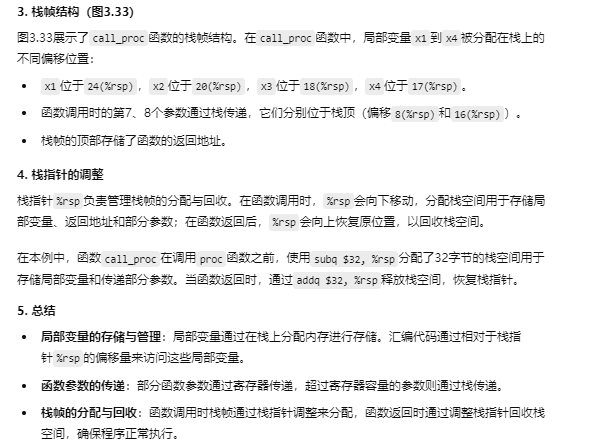






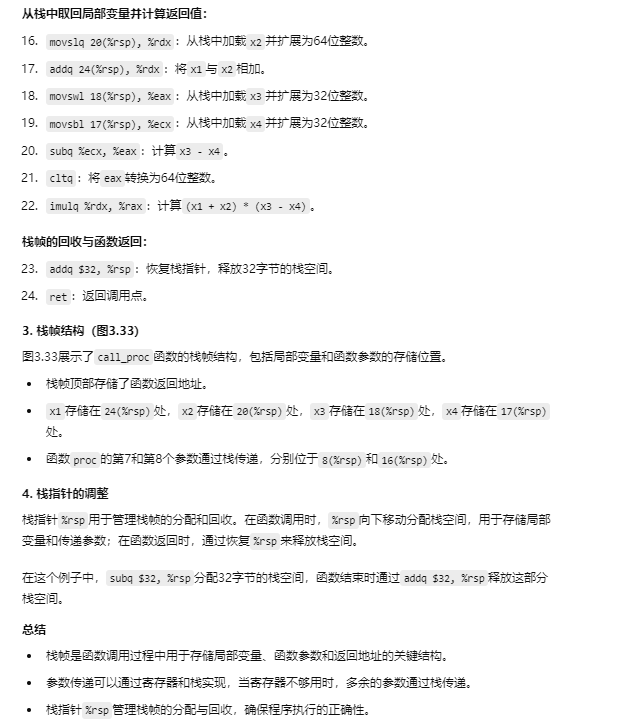




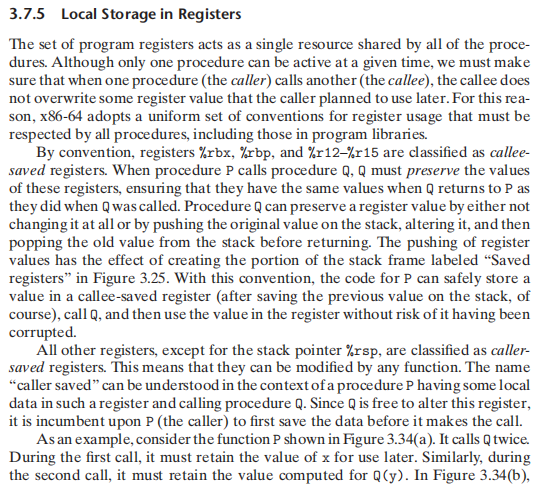


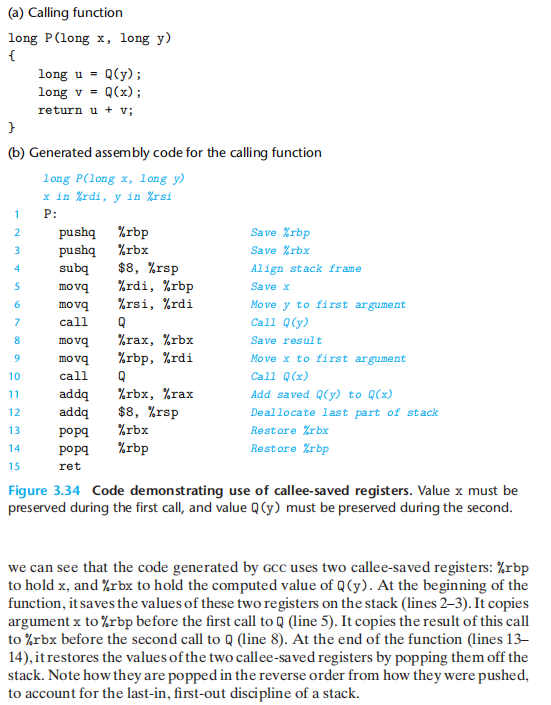
### 函数调用中栈帧的创建与使用：call\_proc 及其汇编实现：



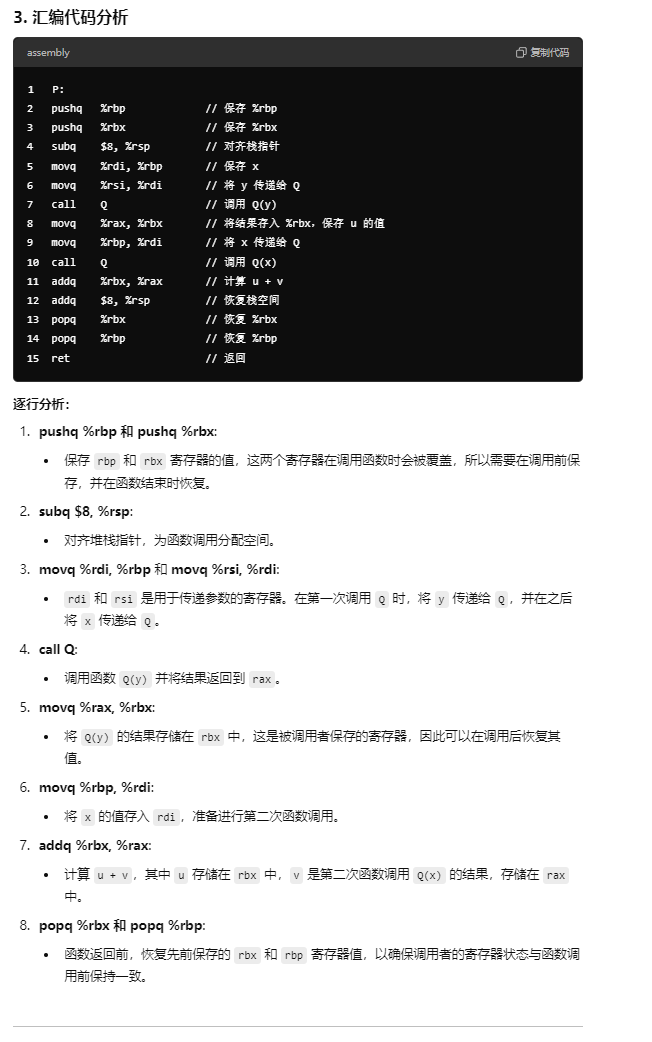


## 3.7.5 Local Storage in Registers

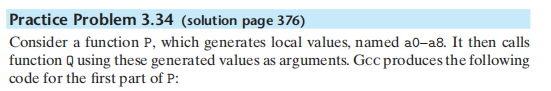


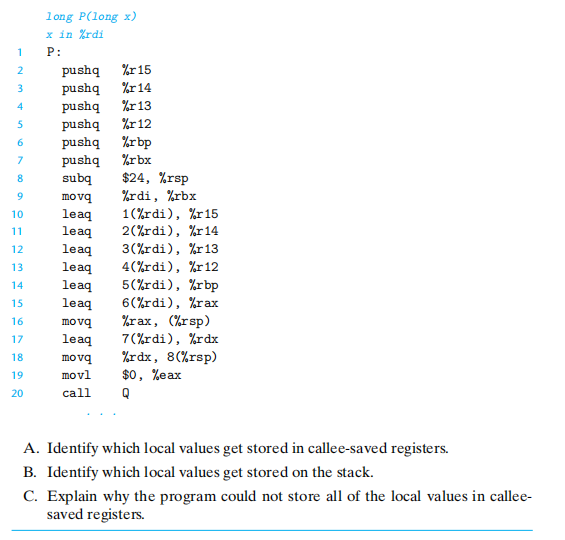


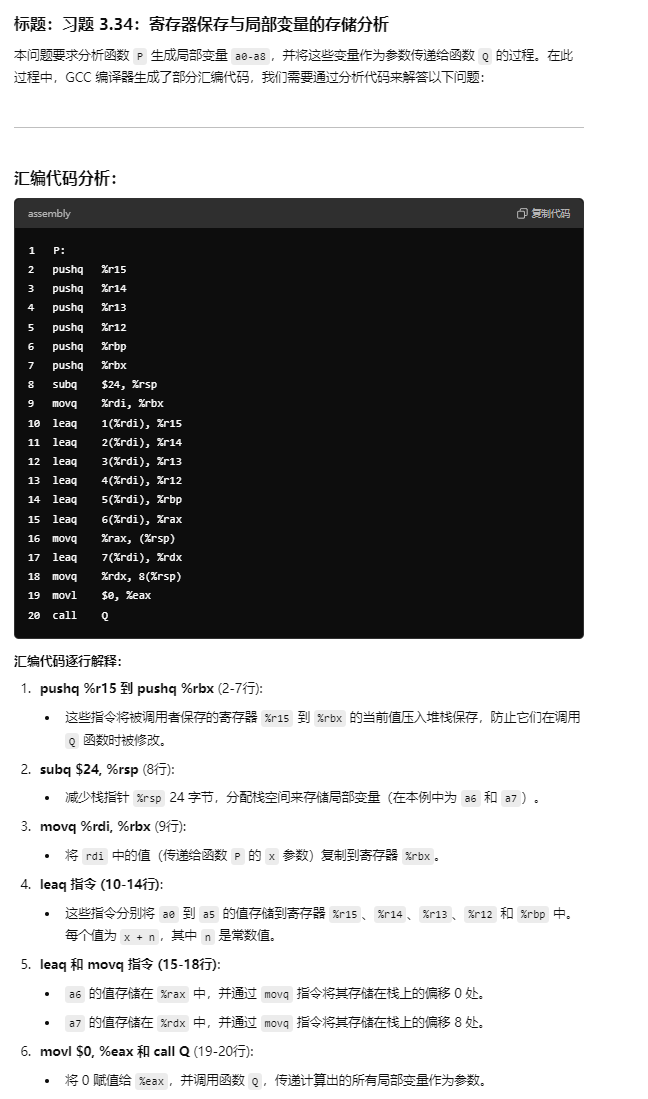


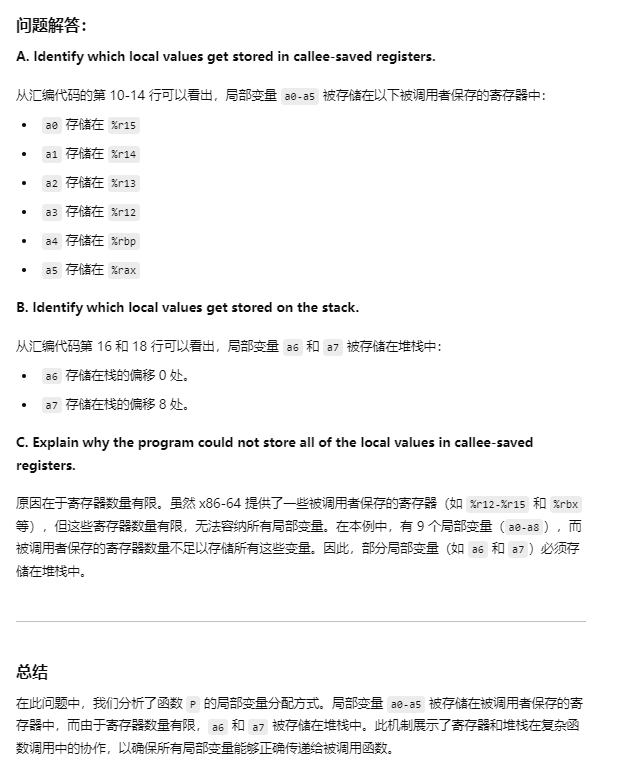




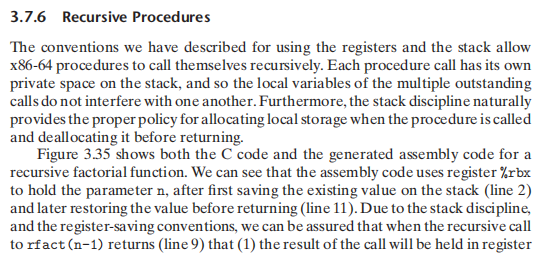


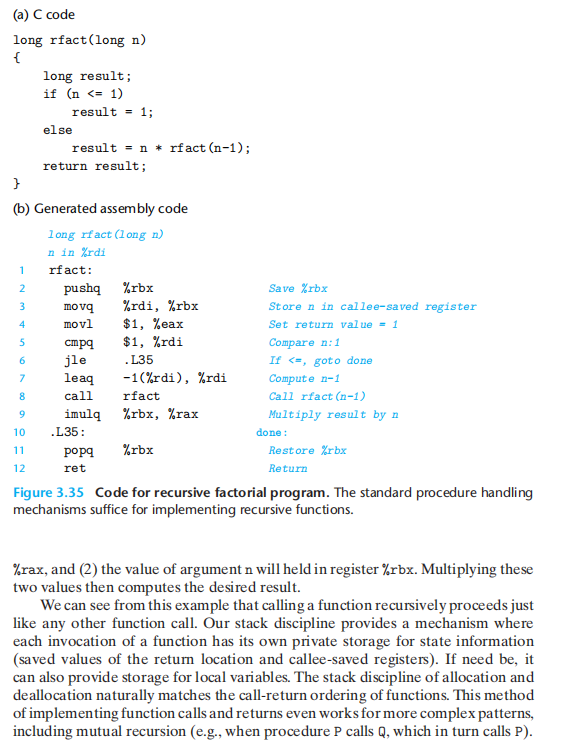




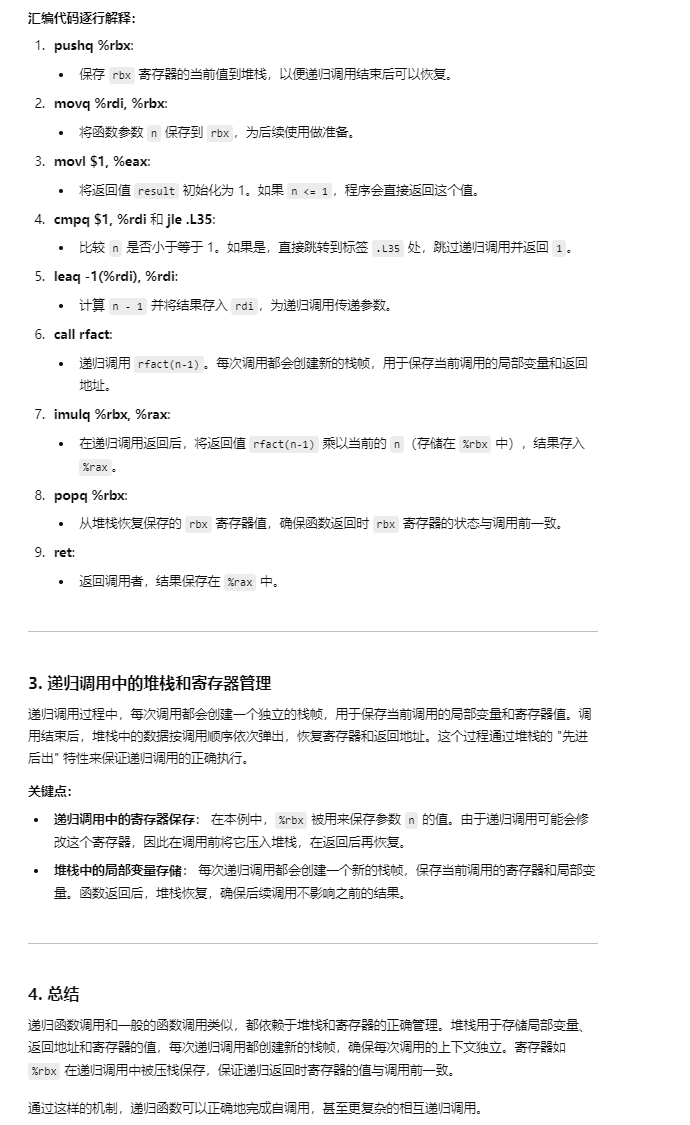


## 3.7.6 Recursive Procedures



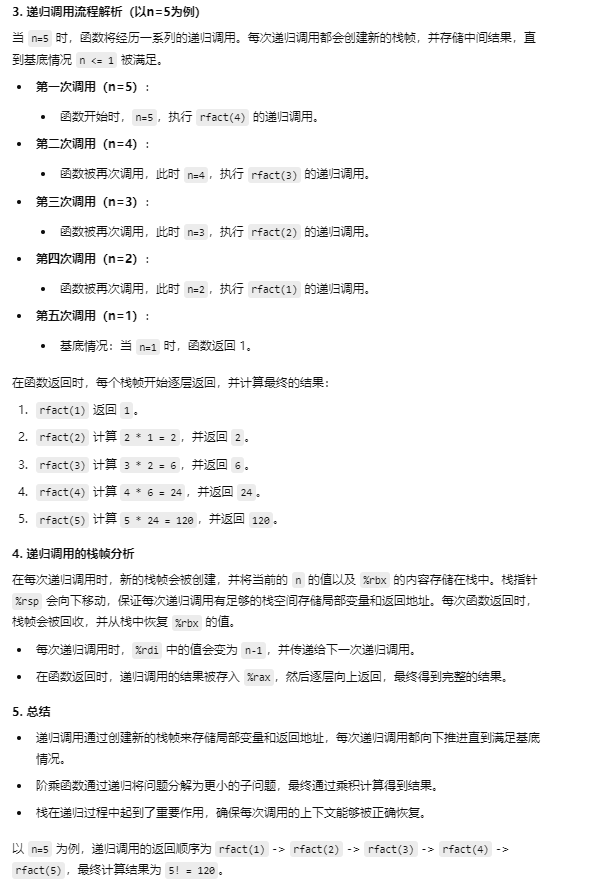




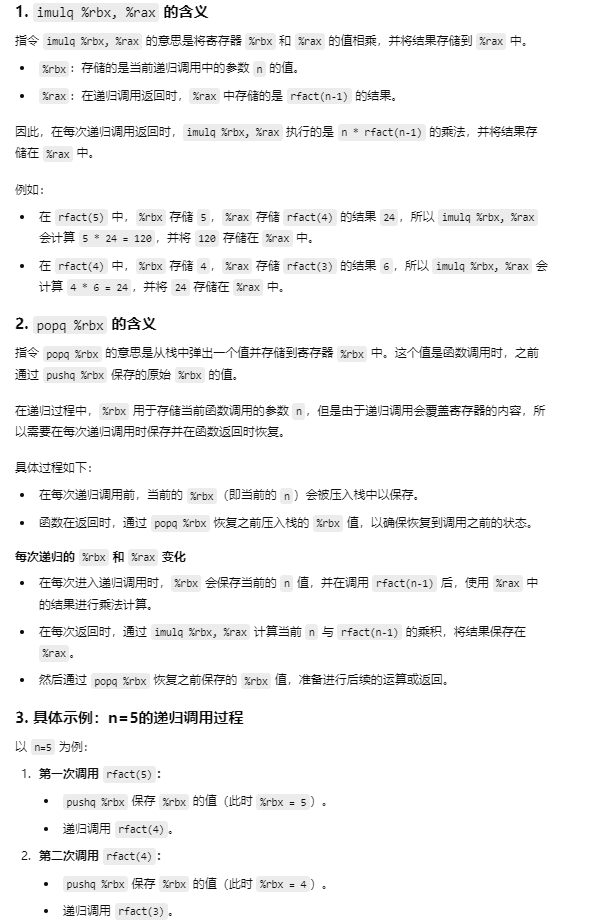


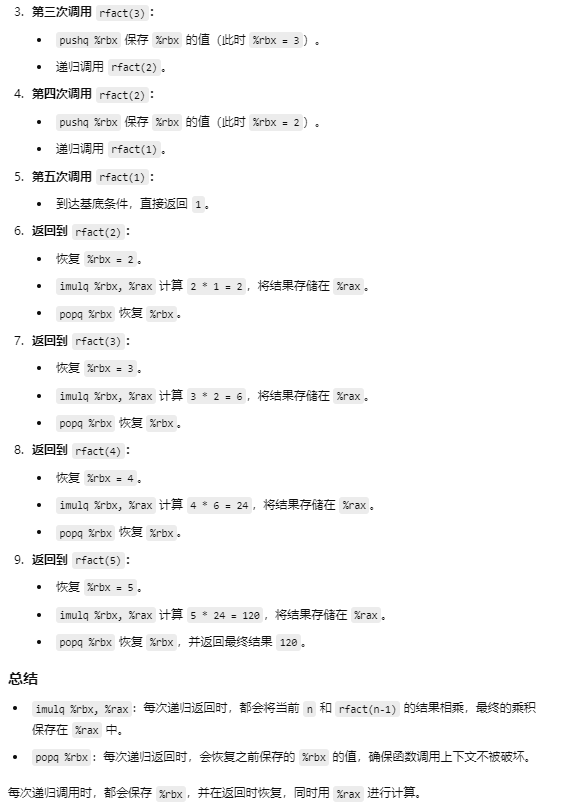
### 举个例子：





### 再深入些：





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