

# 第一章《绪论》第一部分的作业

- 作业：
  - 阅读至少2本操作系统相关书籍，给出这些书中关于操作系统的定义，要列出出处。
  - 阅读至少2本操作系统相关书籍，阐明操作系统的公共设计目标和某些操作系统特有的设计目标，要列出出处。
  - 阅读至少2本操作系统相关书籍，阐明操作系统的作用，要列出出处。
  - 操作系统的基本类型是哪三种？他们的关键技术有哪些？

# 第一章《绪论》第二部分（CS）的作业

1.10 What is the purpose of interrupts? What are the differences between a trap and an interrupt? Can traps be generated intentionally by a user program? If so, for what purpose?

1.13 Give two reasons why caches are useful. What problems do they solve? What problems do they cause? If a cache can be made as large as the device for which it is caching (for instance, a cache as large as a disk), why not make it that large and eliminate the device?

## 1.8

Which of the following instructions should be privileged?

- a. Set value of timer.
- b. Read the clock.
- c. Clear memory.
- d. Issue a trap instruction.
- e. Turn off interrupts.
- f. Modify entries in device-status table.
- g. Switch from user to kernel mode.
- h. Access I/O device.