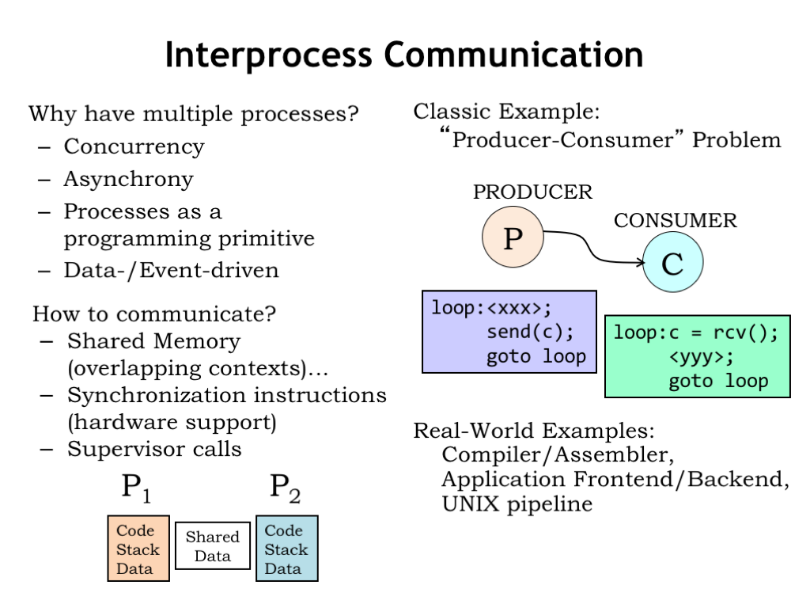
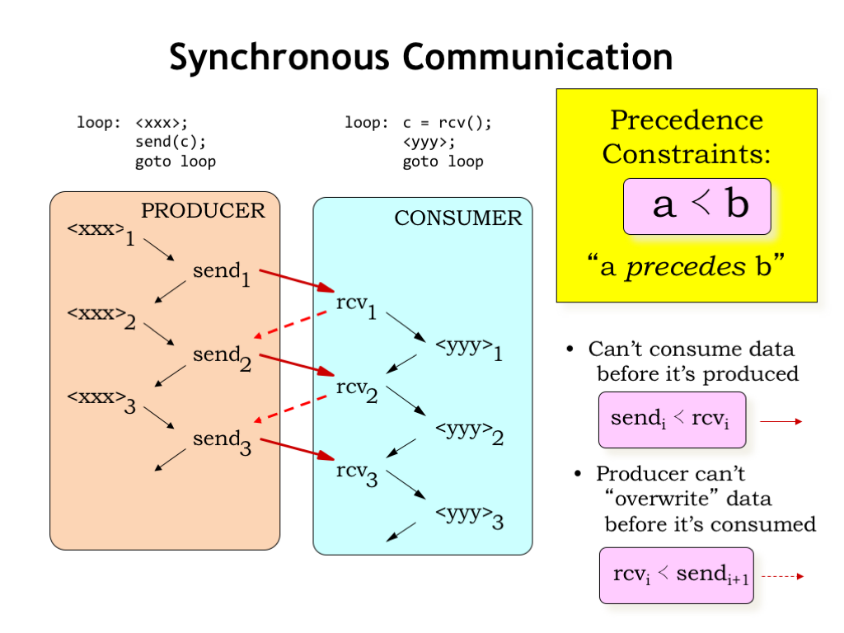
# 课件

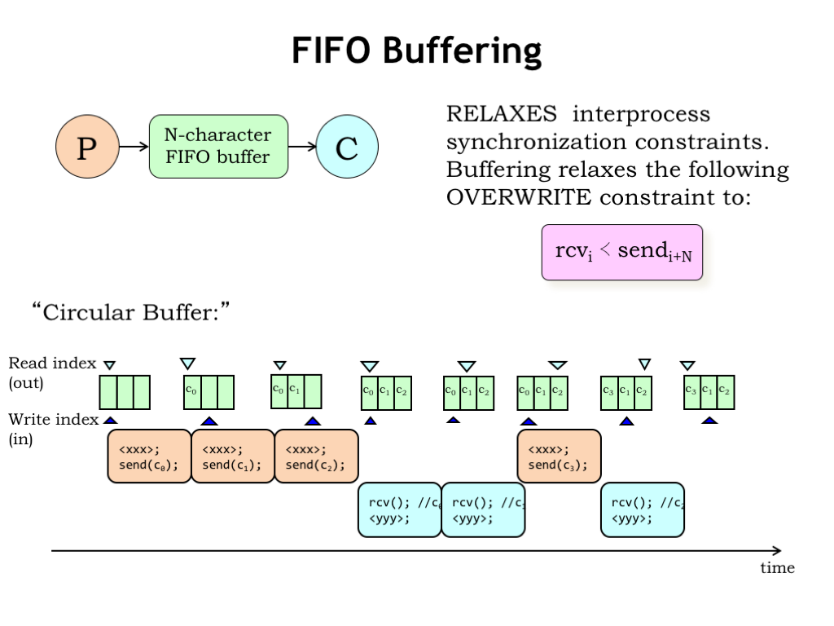
## 进程间通信



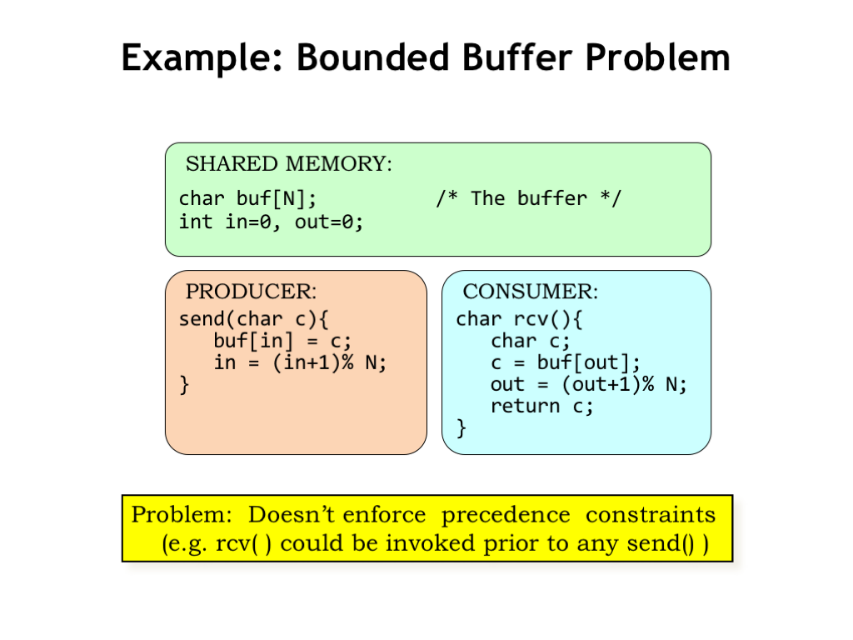
## 同步通信



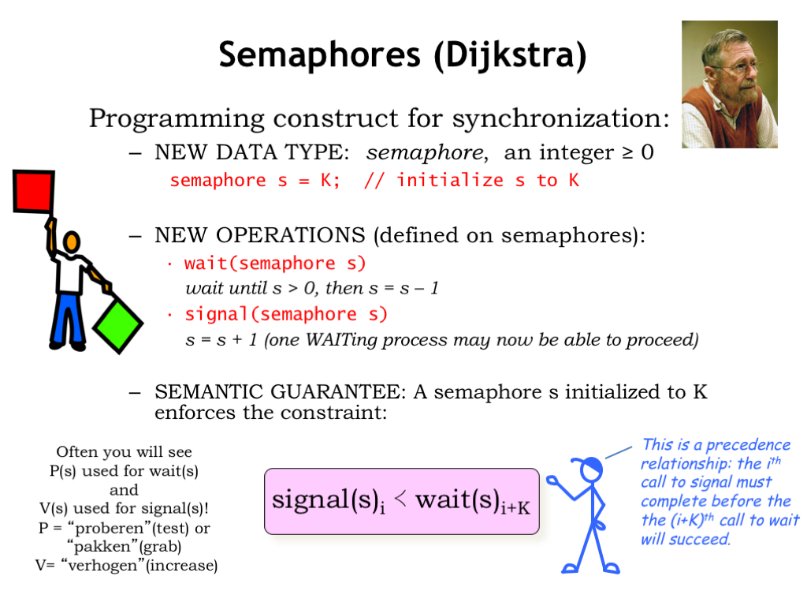
## FIFO buffer



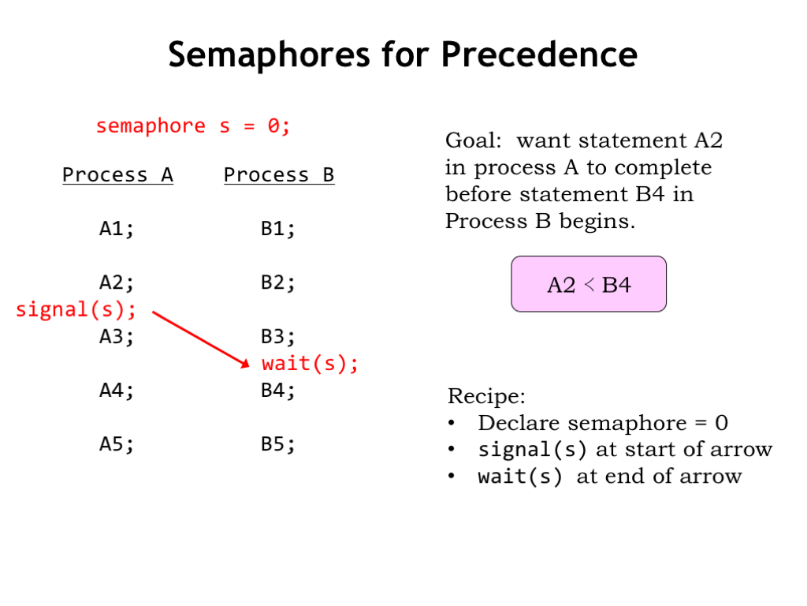
## 例子：限制的buffer问题



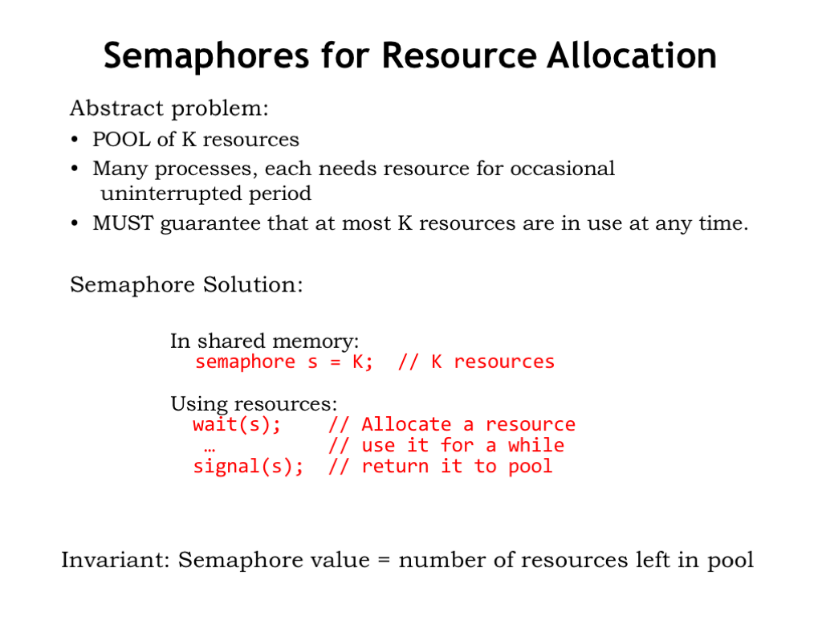
## 信号量



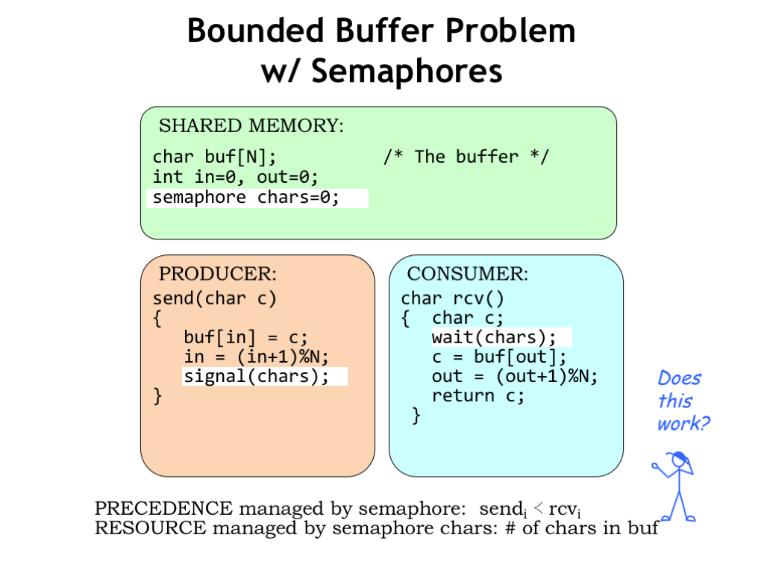
## 用于优先权的信号量



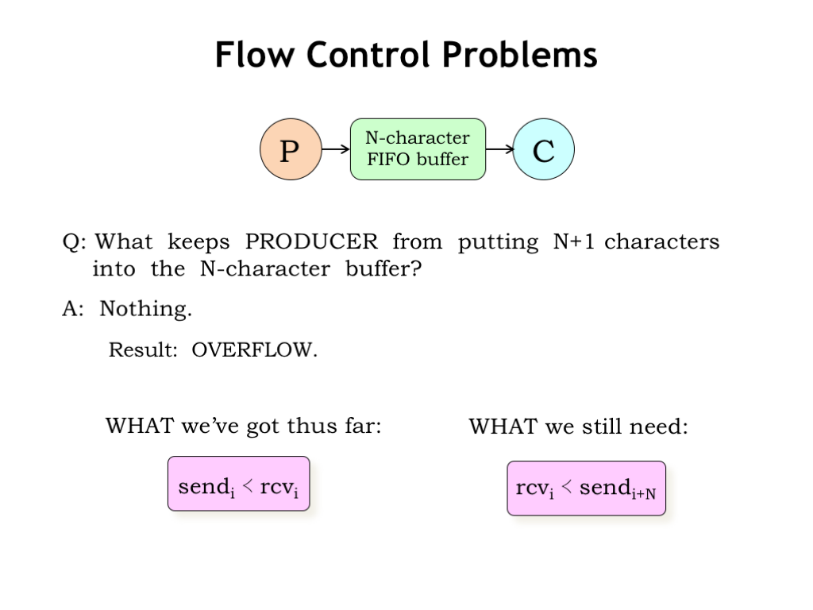
## 资源分配的信号量



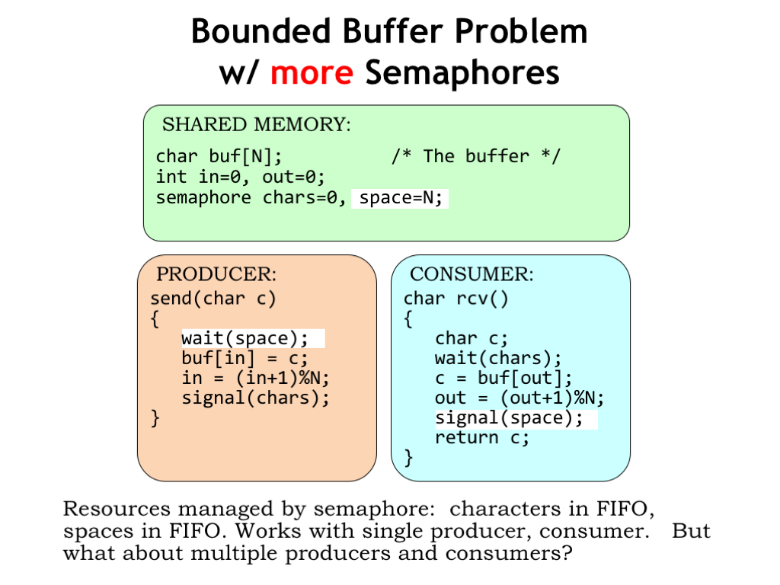
## 信号量-限制的buffer问题



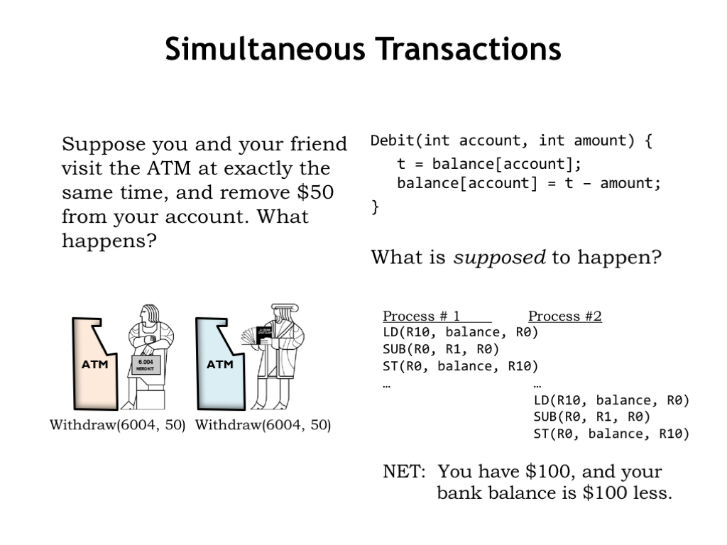
## 流控制问题



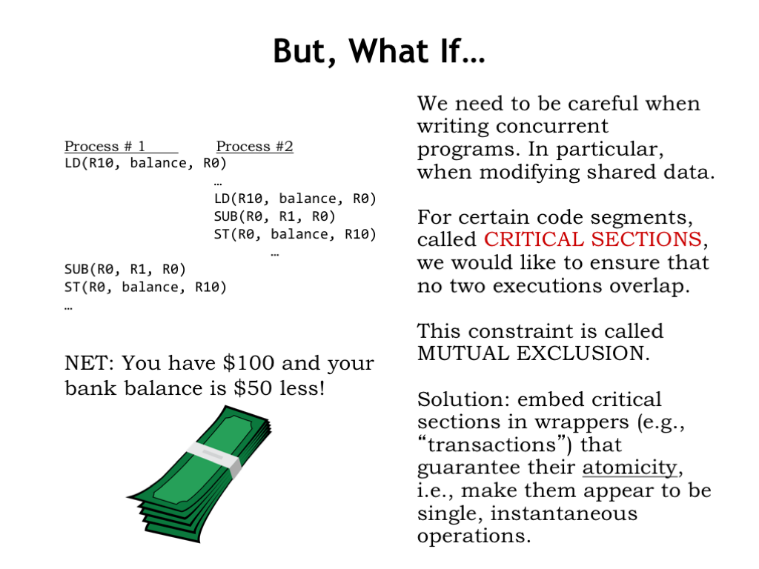
## 多信号量-限制的buffer问题



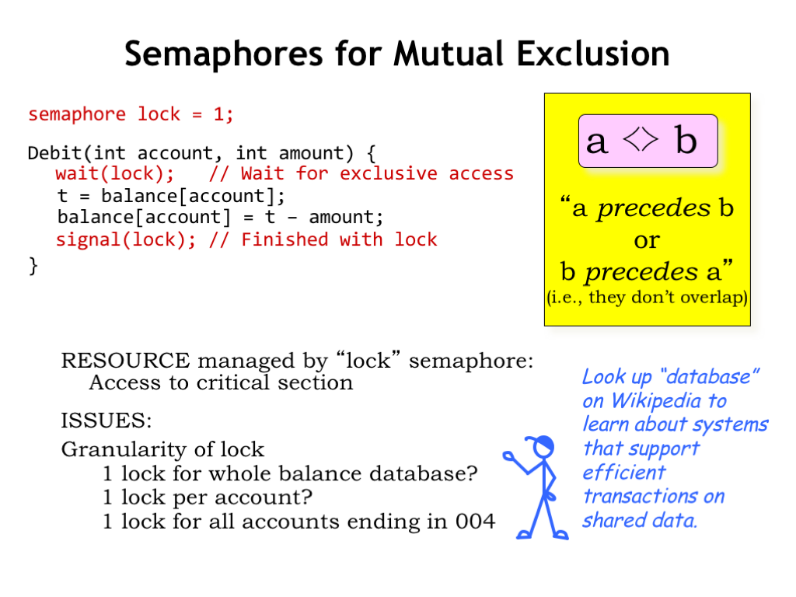
## 同时进行的事务



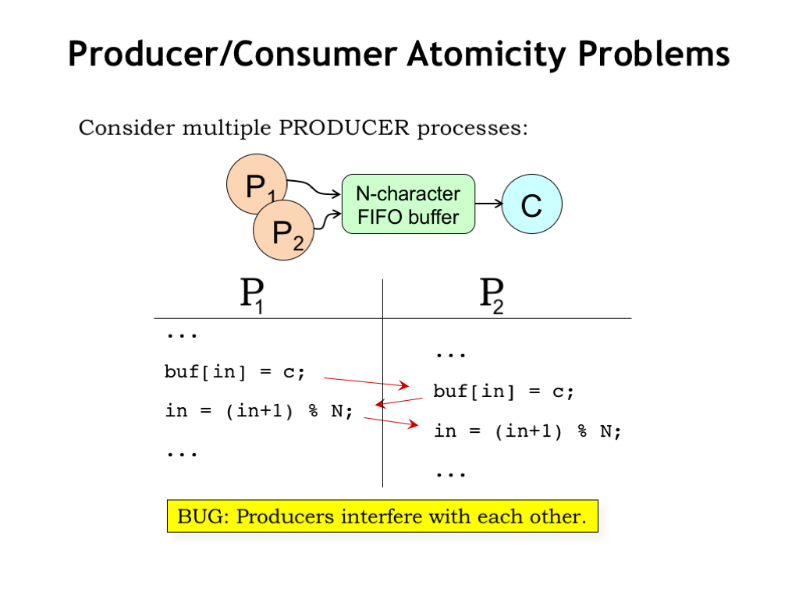
## 事务交叉执行



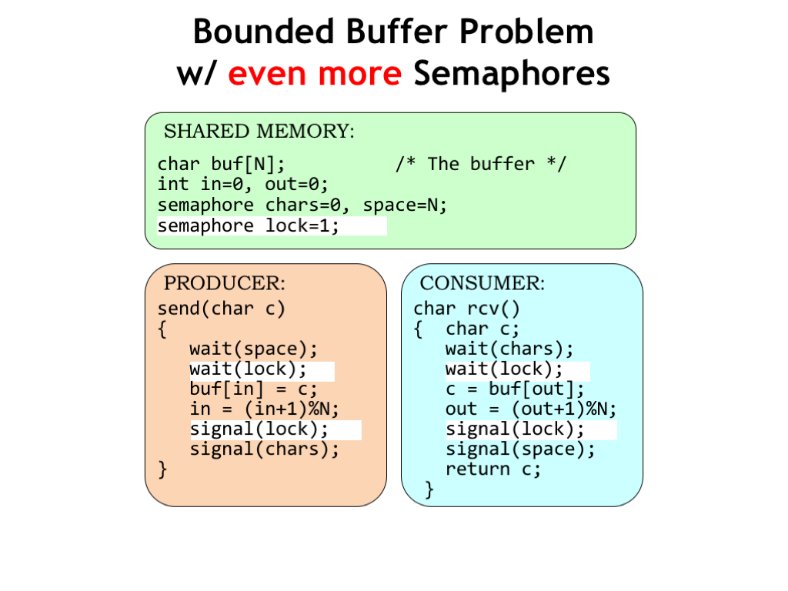
## 信号量-互斥



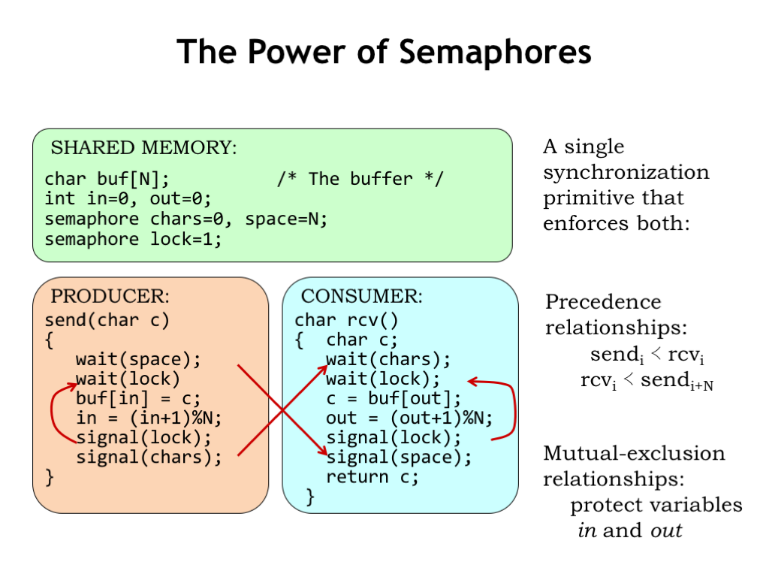
## 生产/消费原子化问题



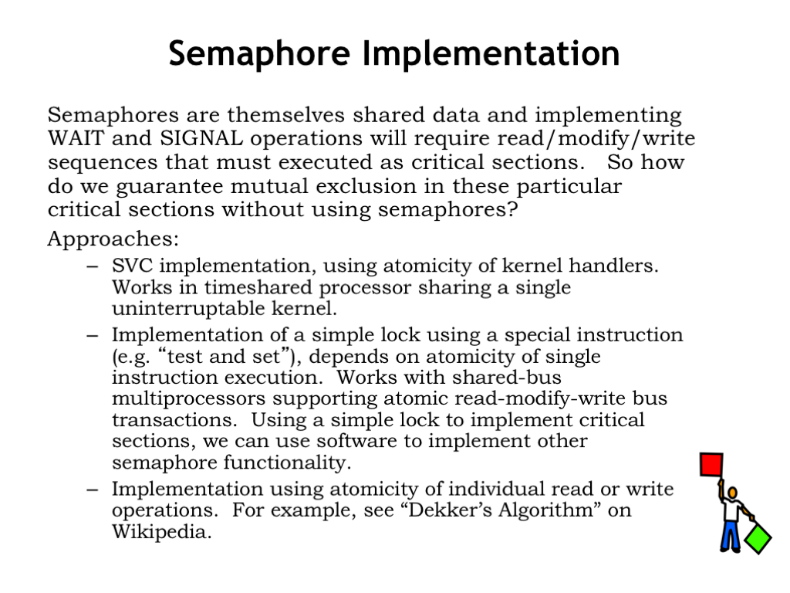
## 更多信号量-限制的buffer问题



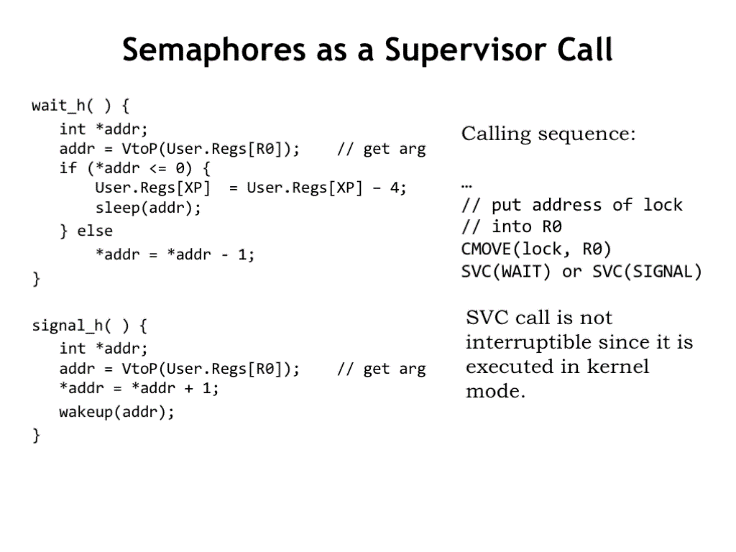
## 信号量的能力



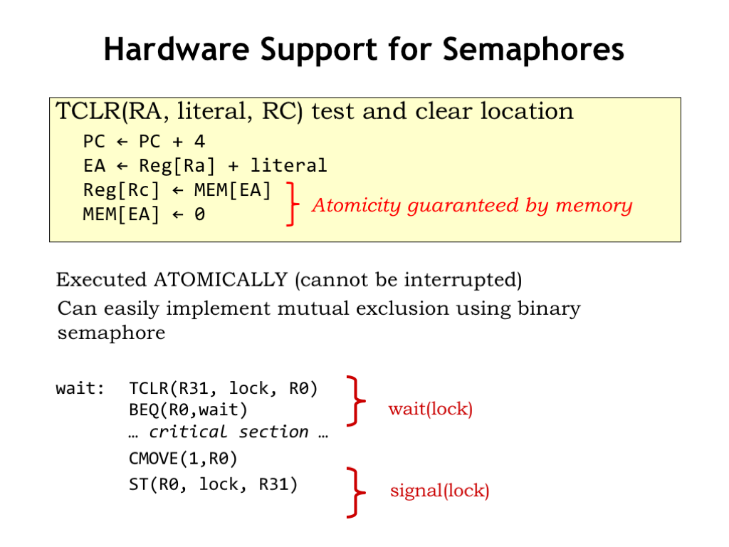
## 信号量实现



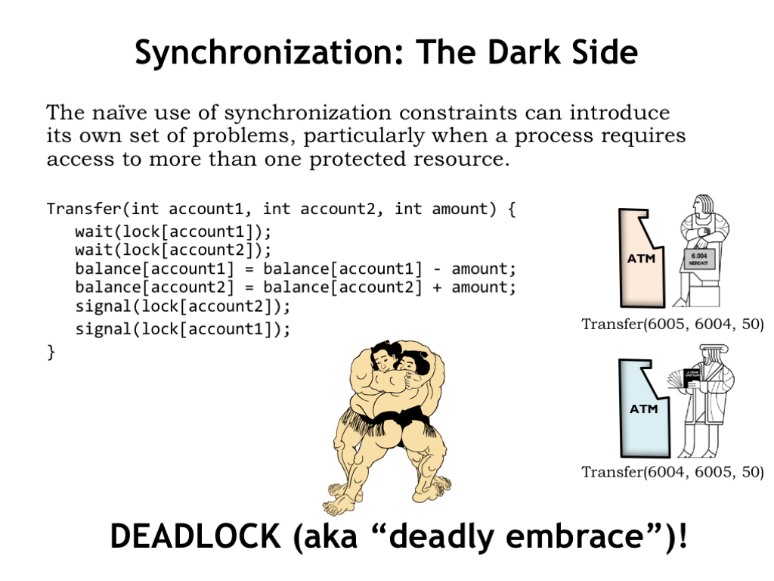
## 信号量作为一个SVC（supervisor call）



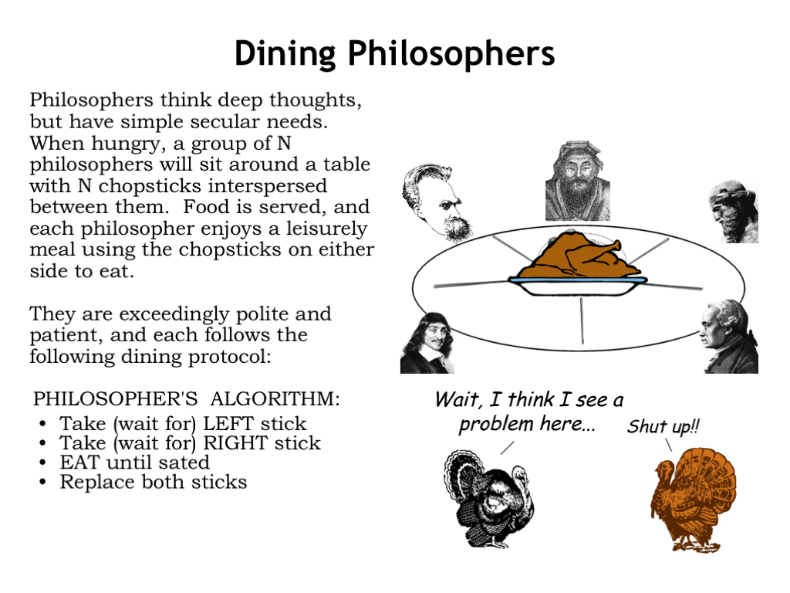
## 硬件支持的信号量



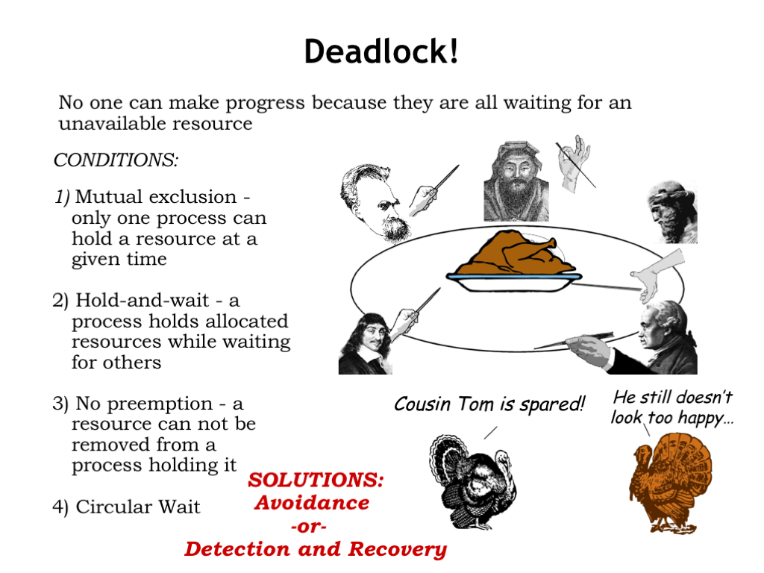
## 同步：黑暗面



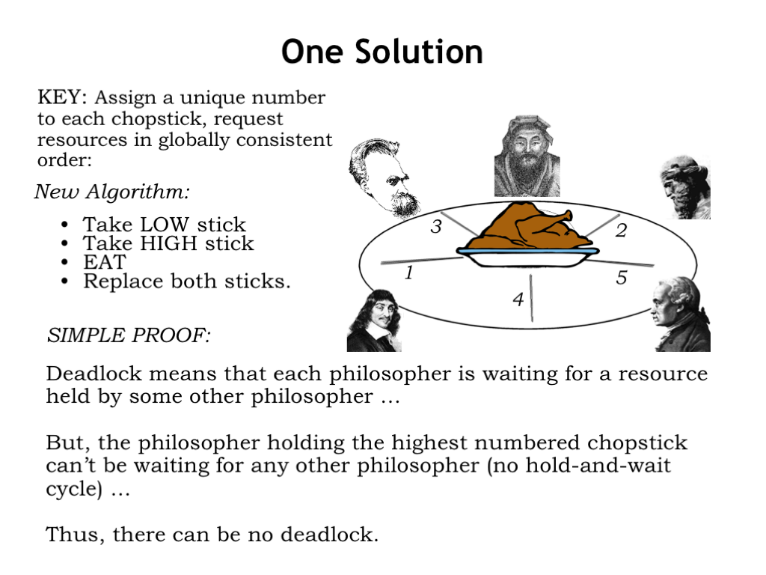
## 哲学家就餐



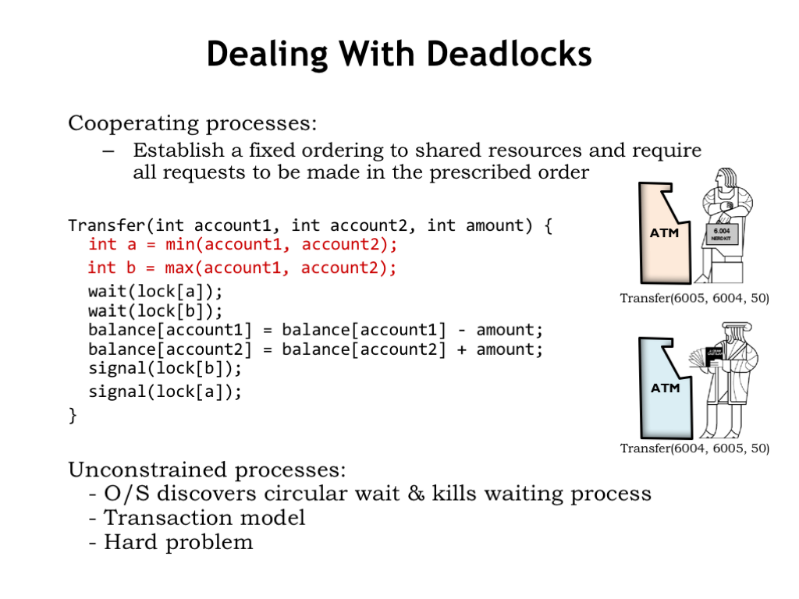
## 死锁



## 一种解法



## 处理死锁



## 总结

