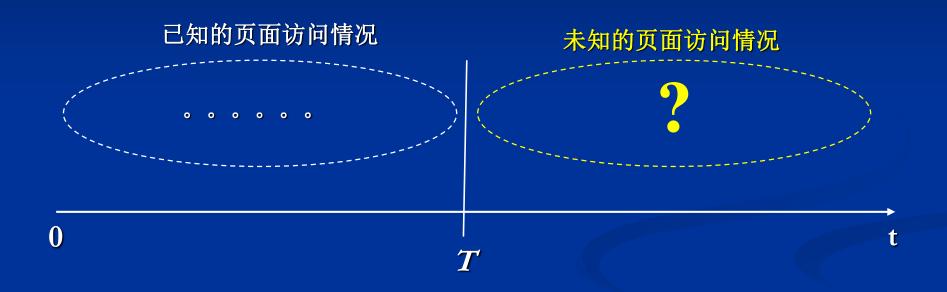
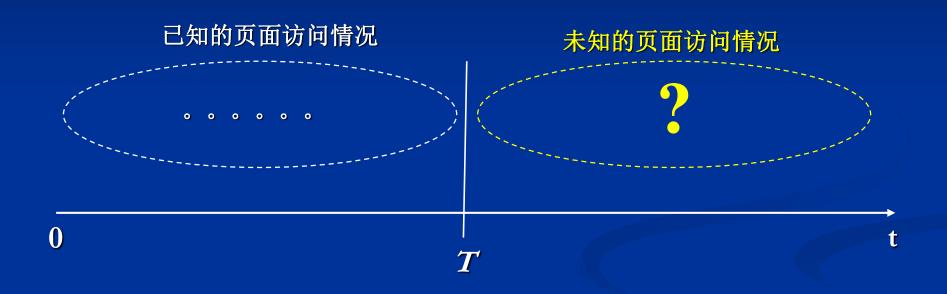
第4章 存储管理

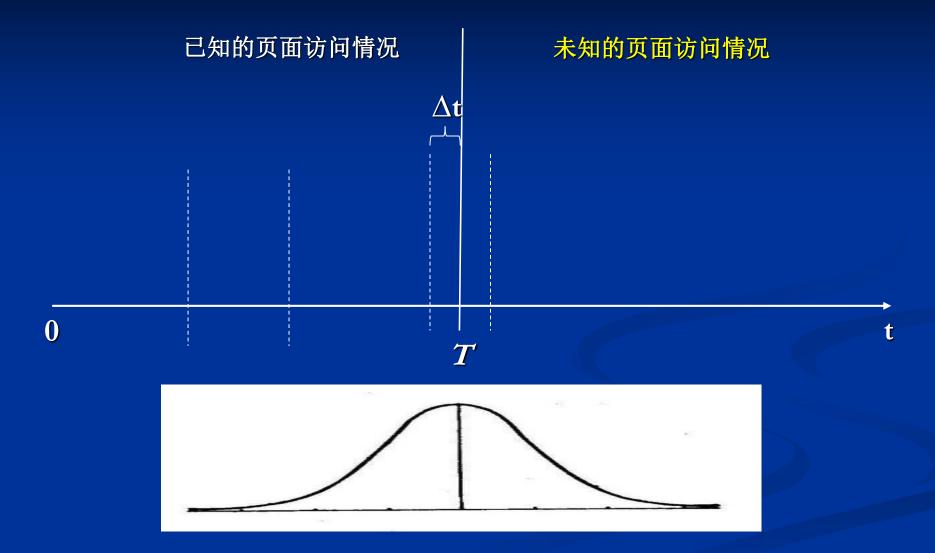
■页面置换/淘汰:上帝视角



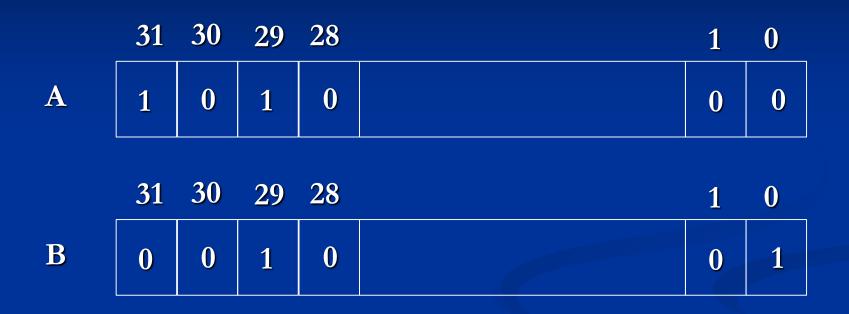
■页面置换/淘汰:顺序运行特点



■页面置换/淘汰:基于程序运行的局部性原理来预测



■LRU:移位寄存器实现



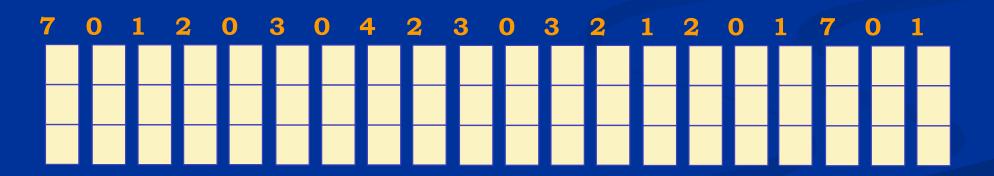
0 100 200 300 t(ms)

● 移位间隔: 100ms

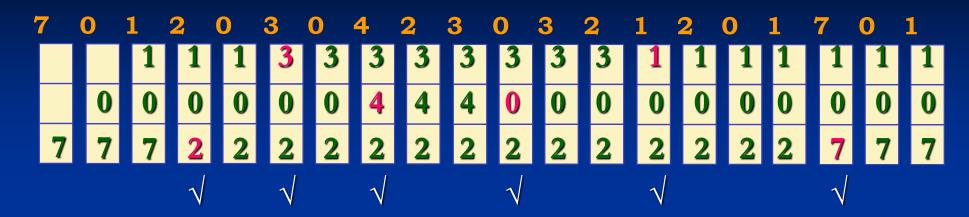
■置换算法性能比较

■ 实例1:

某分页系统,进程分到3个存储块,其页面访问序列为::7-0-1-2-0-3-0-4-2-3-0-3-2-1-2-0-1-7-0-1,请分别计算三种页面调度算法OPT、FIFO、LRU下的缺页率(缺页率=缺页置换次数/页面访问总数*100%)。

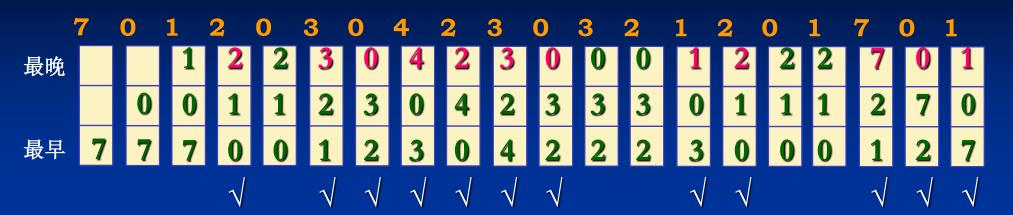


(1) **OPT**



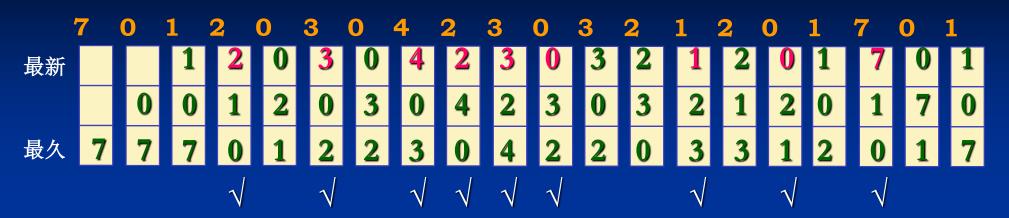
缺页率=6/20*100%=30%

(2) FIFO



缺页率=12/20*100%=60%

(3) LRU



缺页率=9/20*100%=45%