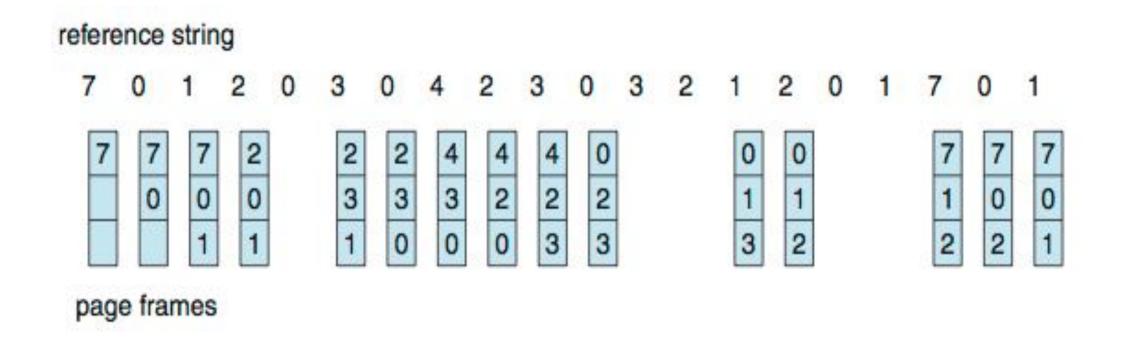
Virtual Memory

Virtual Memory

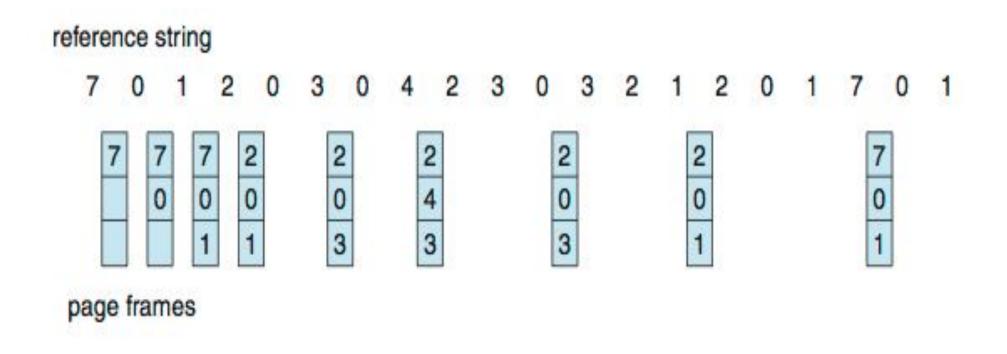
- Virtual memory separation of user logical memory from physical memory
 - Only part of the program needs to be in memory for execution
 - Logical address space can therefore be much larger than physical address space
 - Allows address spaces to be shared by several processes
 - Allows for more efficient process creation
 - More programs running concurrently

FIFO Page Replacement

15 page faults

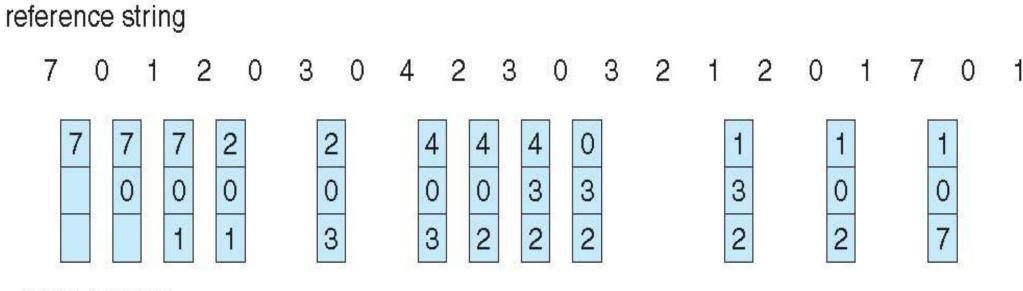


Optimal Page Replacement



9 page faults

Least Recently Used (LRU) Algorithm



page frames

12 page faults