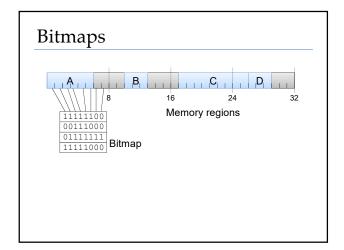
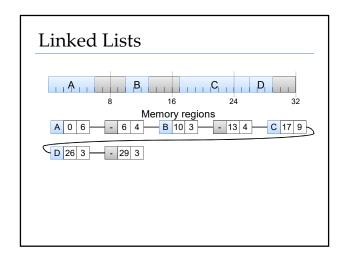


Allocation Management



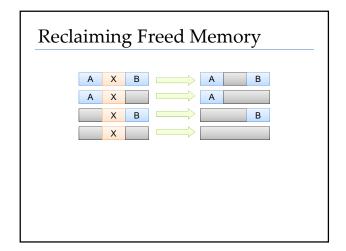


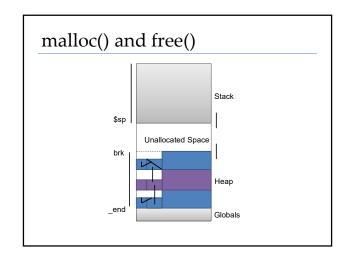
Allocation Strategies

- · First fit
 - Find the first free block, starting from the beginning, that can accommodate the request
- · Next fit
 - Find the first free block, starting where the last search left off, that can accommodate the request
- Best fit
 - Find the free block that is closest in size to the request

Allocation Strategies Continued

- · Worst fit
 - Find the free block with the most left over after fulfilling the allocation request
- · Quick fit
 - Keep several lists of free blocks of common sizes, allocate from the list that nearest matches the request



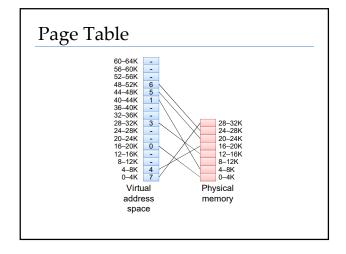


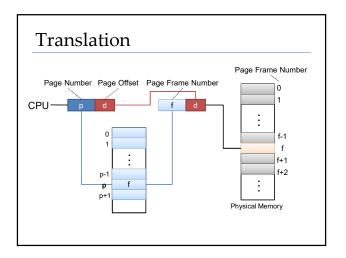
Overlays

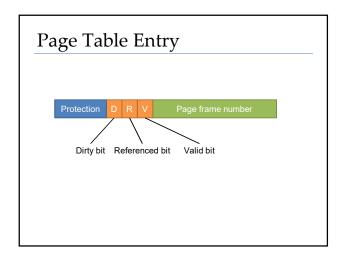
Hand-written dynamic loading of subsets of a program's code and data.

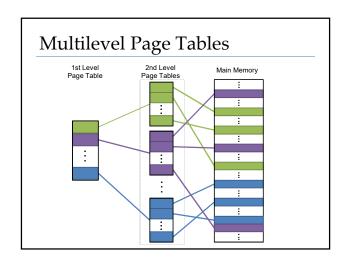
Virtual Memory

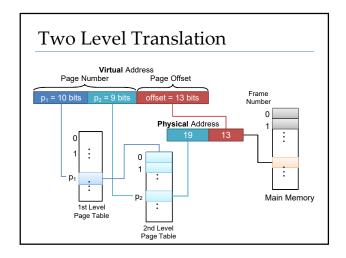
Attempt to simulate more memory than exists on the system through automatic "overlays"











Translation Lookaside Buffer
Cache for Page Table Entries

Inverted Page Table Instead of a PTE per page, make one per frame

