

















## Explicit List Summary

Comparison to implicit list:

Allocate is linear time in number of *free* blocks instead of *all* blocks

- Much faster when most of the memory is full
- Slightly more complicated allocate and free since needs to splice blocks in and out of the list
- Some extra space for the links (2 extra words needed for each block)
  - Does this increase internal fragmentation?
- Most common use of linked lists is in conjunction with segregated free lists
  - Keep multiple linked lists of different size classes, or possibly for different types of objects