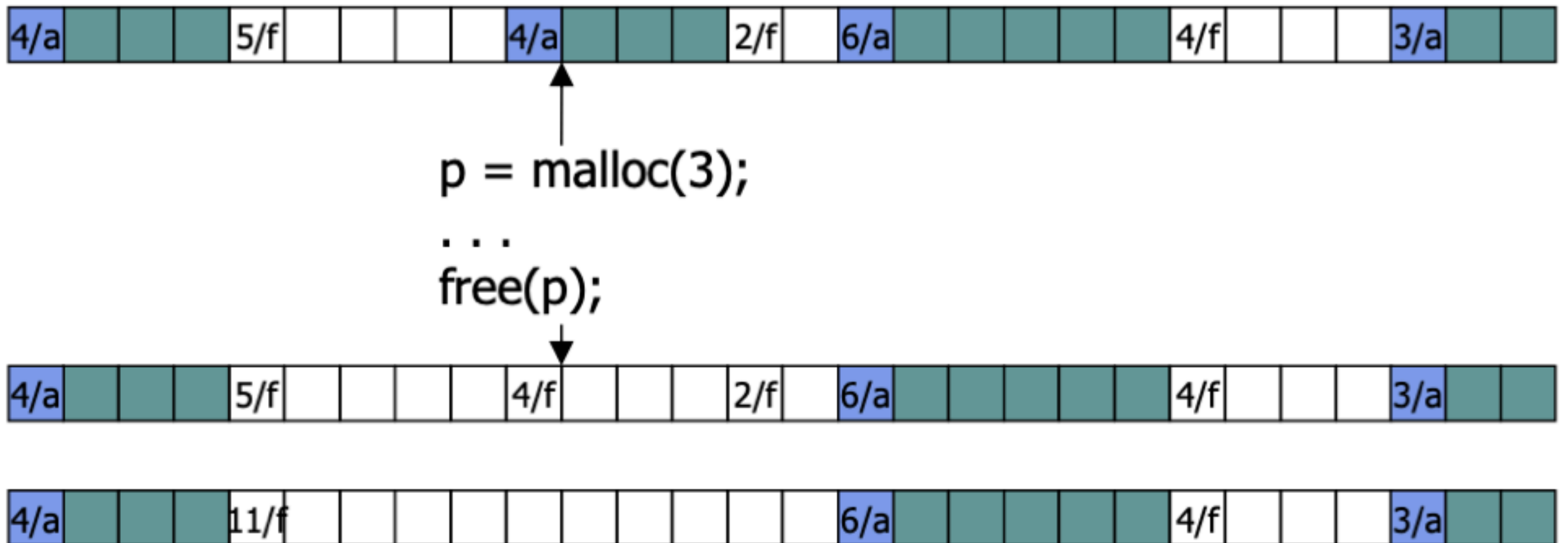


Freeing Blocks

- ➔ Adjacent free blocks can be coalesced (merged)



Placement Algorithms

- **First-fit**
choose first block that is large enough; search can start at beginning, or where previous search ended (a.k.a next-fit)
- **Best-fit**
choose the block that is closest in size to the request
- Worst-fit
choose the largest block
- Quick-fit
keep multiple free lists for common block sizes
- **Buddy systems**
round up allocations to power of 2 to make management faster