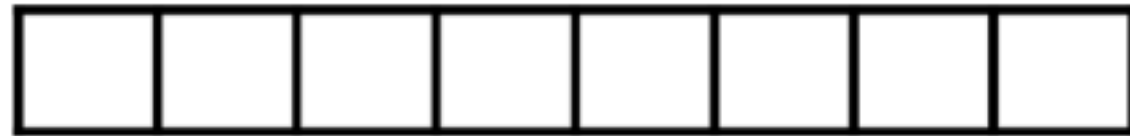


Example



`p1 = alloc(20)`



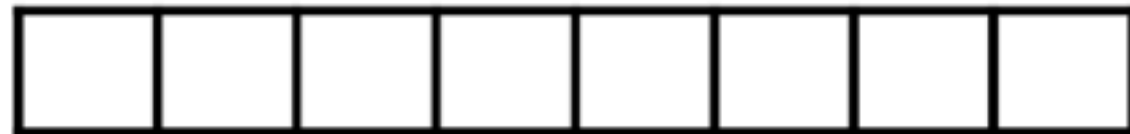
`p2 = alloc(22)`



`free(p1)`



`free(p2)`



`freelist[3] = {0}`

Note: 2³

`freelist[0] = {1}`, `freelist[1] = {2}`, `freelist[2] = {4}`

`freelist[0] = {1}`, `freelist[1] = {2}`

`freelist[2] = {0}`

`freelist[3] = {0}`

Advantages

- ✓ Fast search (allocate) and merge (free)
 - ✓ Avoid iterating through free list
 - ✓ Avoid external fragmentation for req of 2^n
 - ✓ Keep physical pages contiguous
- ➡ Used by Linux, FreeBSD