```
Two Places to Obtain a Block

Does the right list have a free block in it?

if (mem_bin[bin] != NULL) {
    // get block from free list
} else {
    // allocate a new block
}

return (new_block + 1);
What's this?

Both cases set new_block.
```

```
Remember pointer arithmetic? mem_block_t

new_block + 1)

(new_block + 1)

caller
block
mem_block_t*.

So where does (new_block + 1)
point?

To the block to be returned!
```