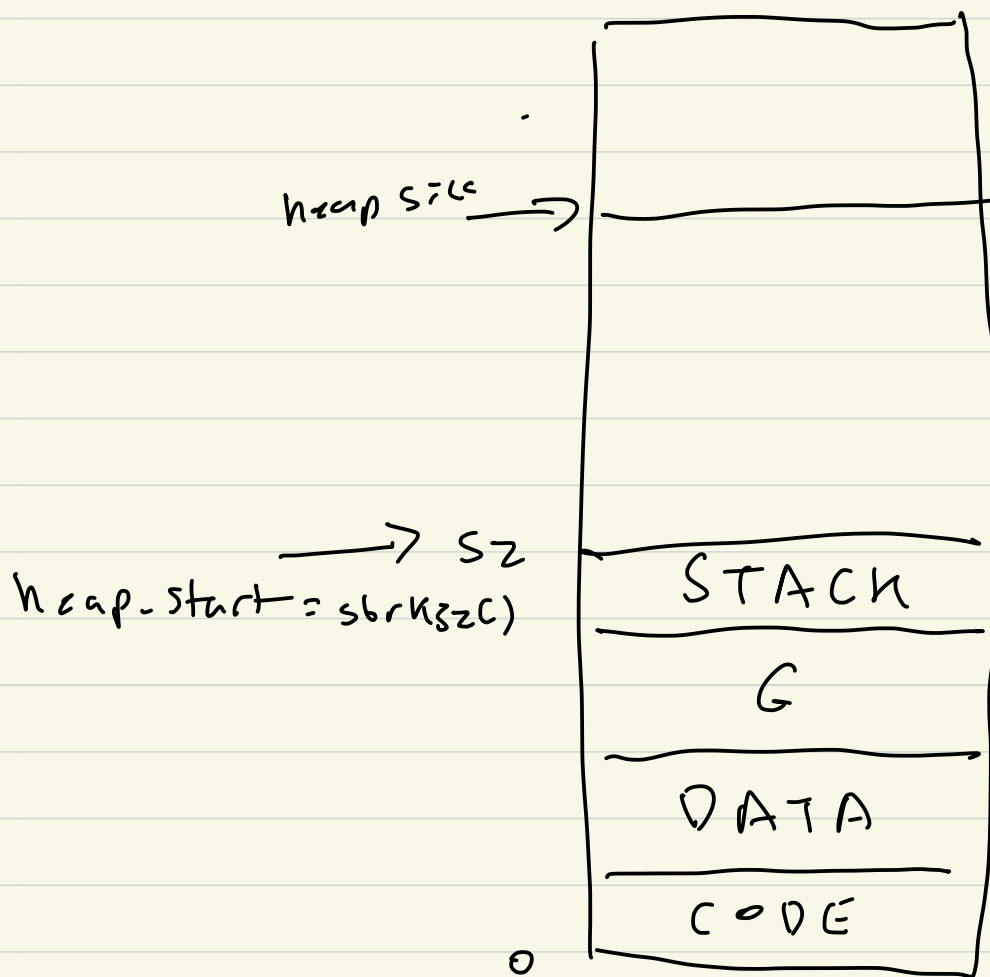


CS 326-02 Project 01 Overview

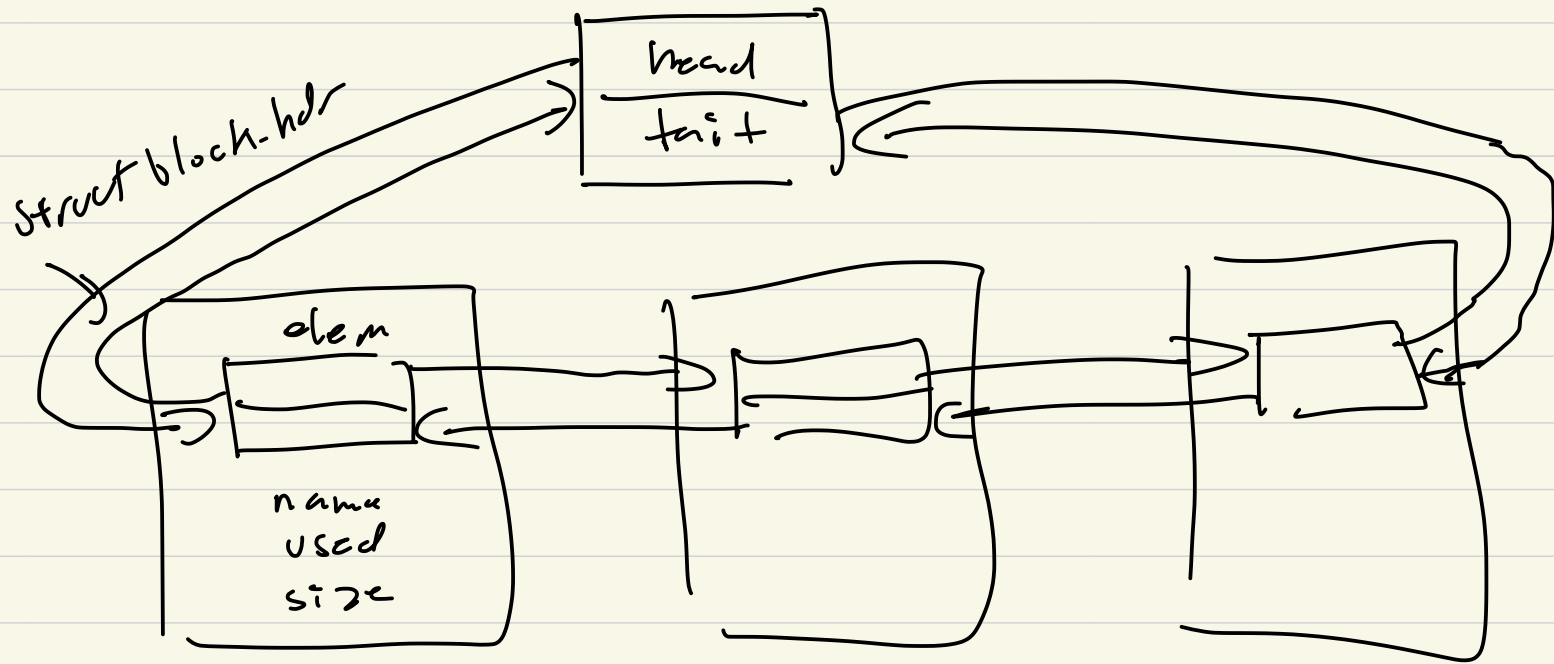
umalloc.c given

memtest.c given test harness

heapstart.c



Struct list block-list



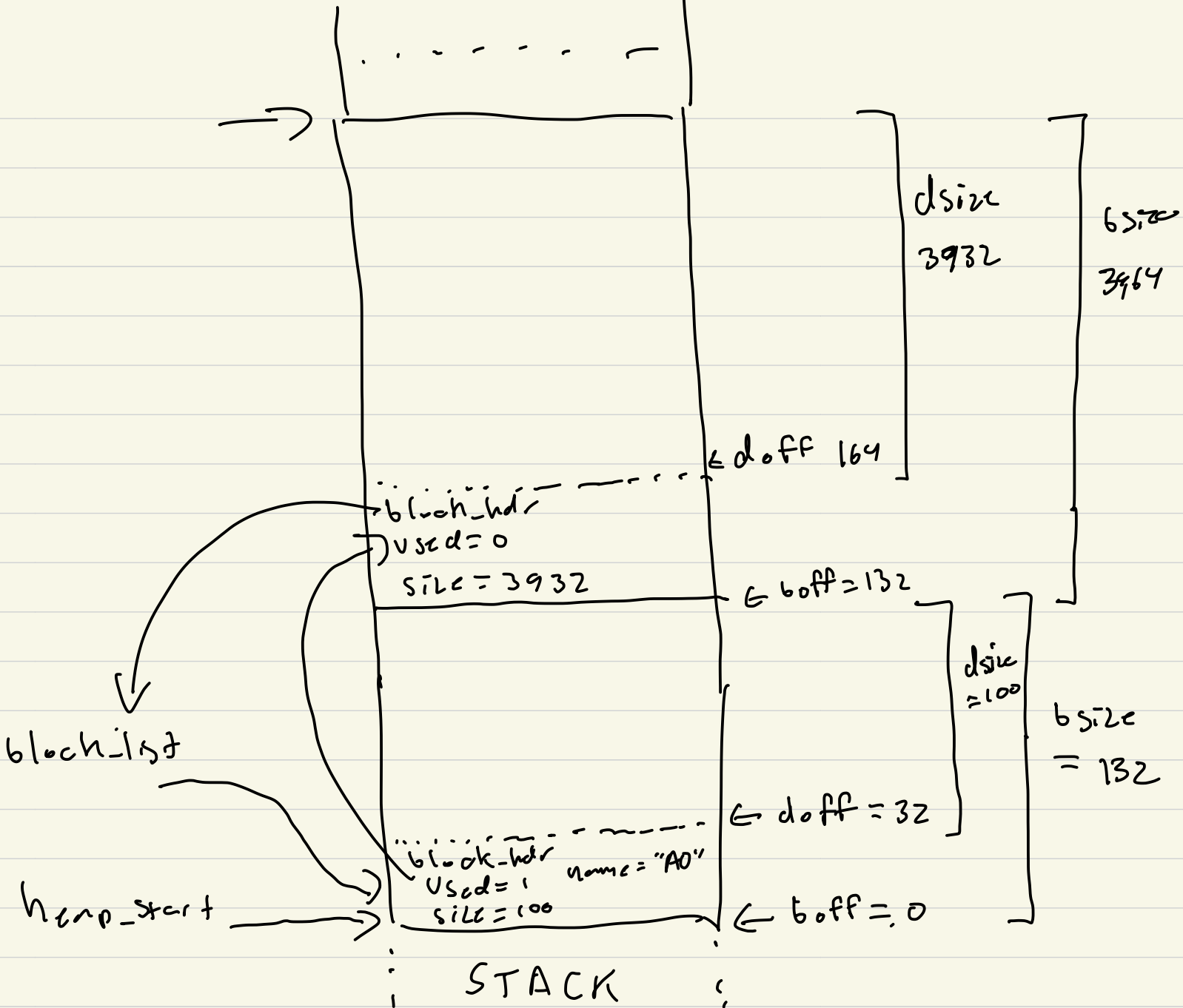
Memtest

(m) alloc index size name $\rightarrow p = \text{mubloc_name}(size, name)$
 (index, p)
 (f) free index $\rightarrow \text{free}(\&[index])$

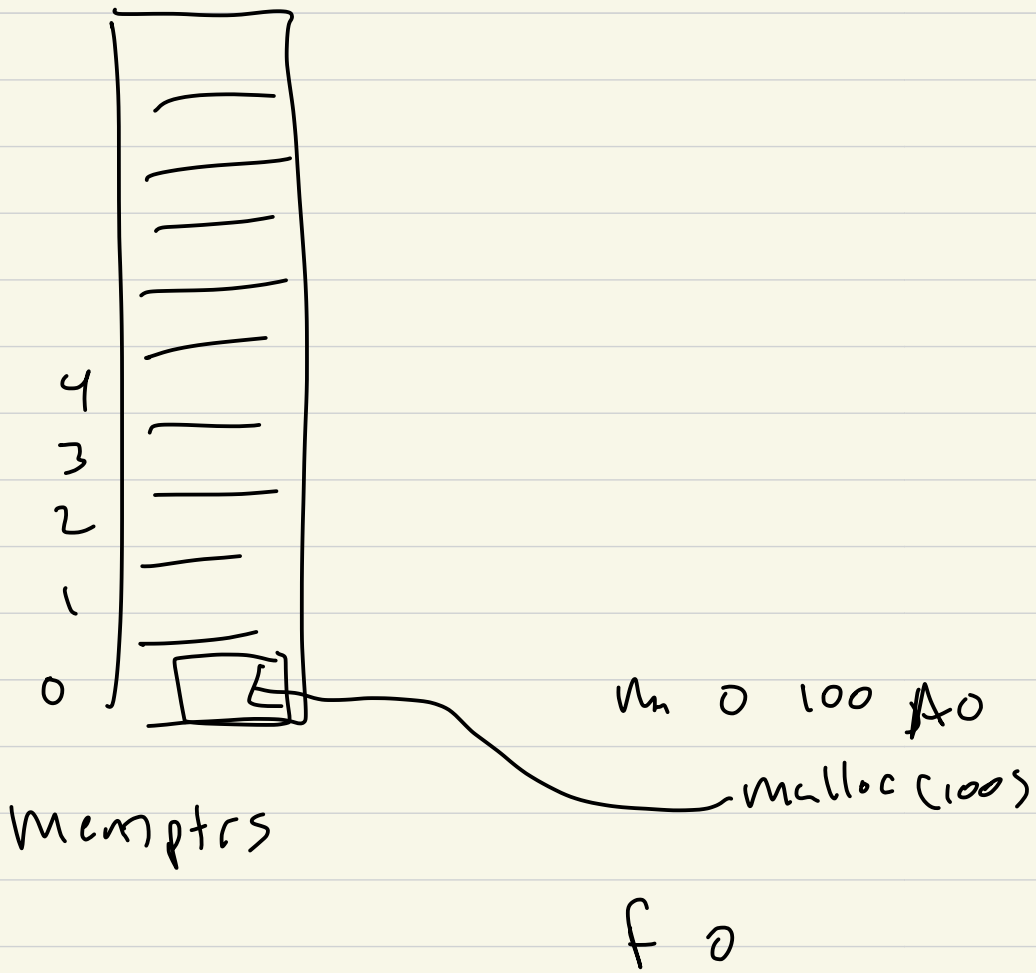
(p) rint

(s) summary

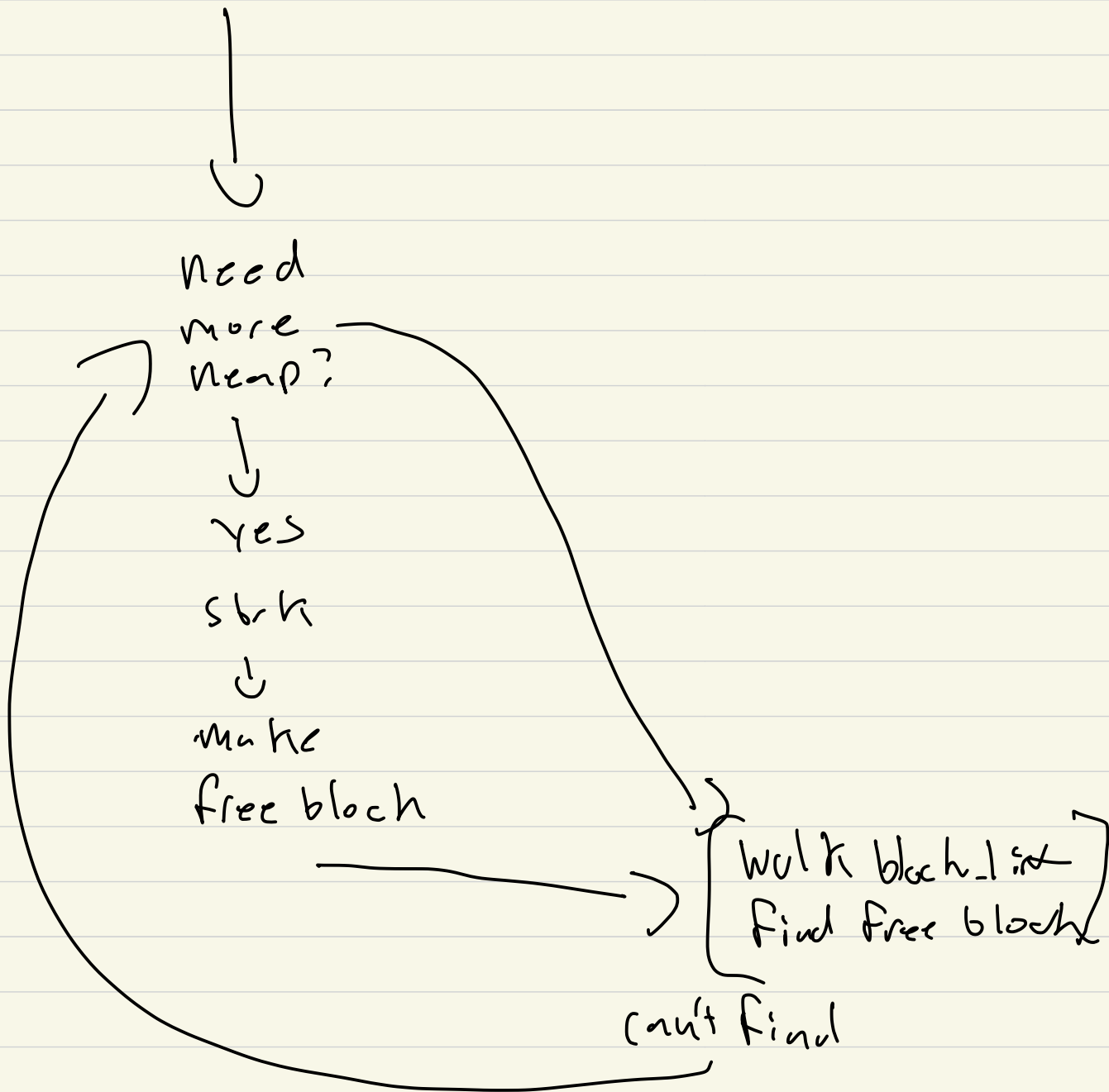
(c) check size



Mentest



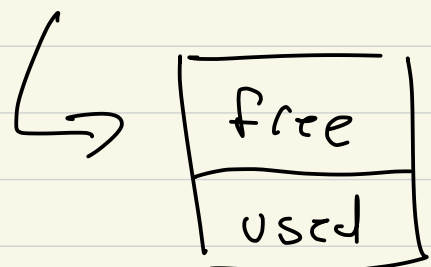
malloc_name()

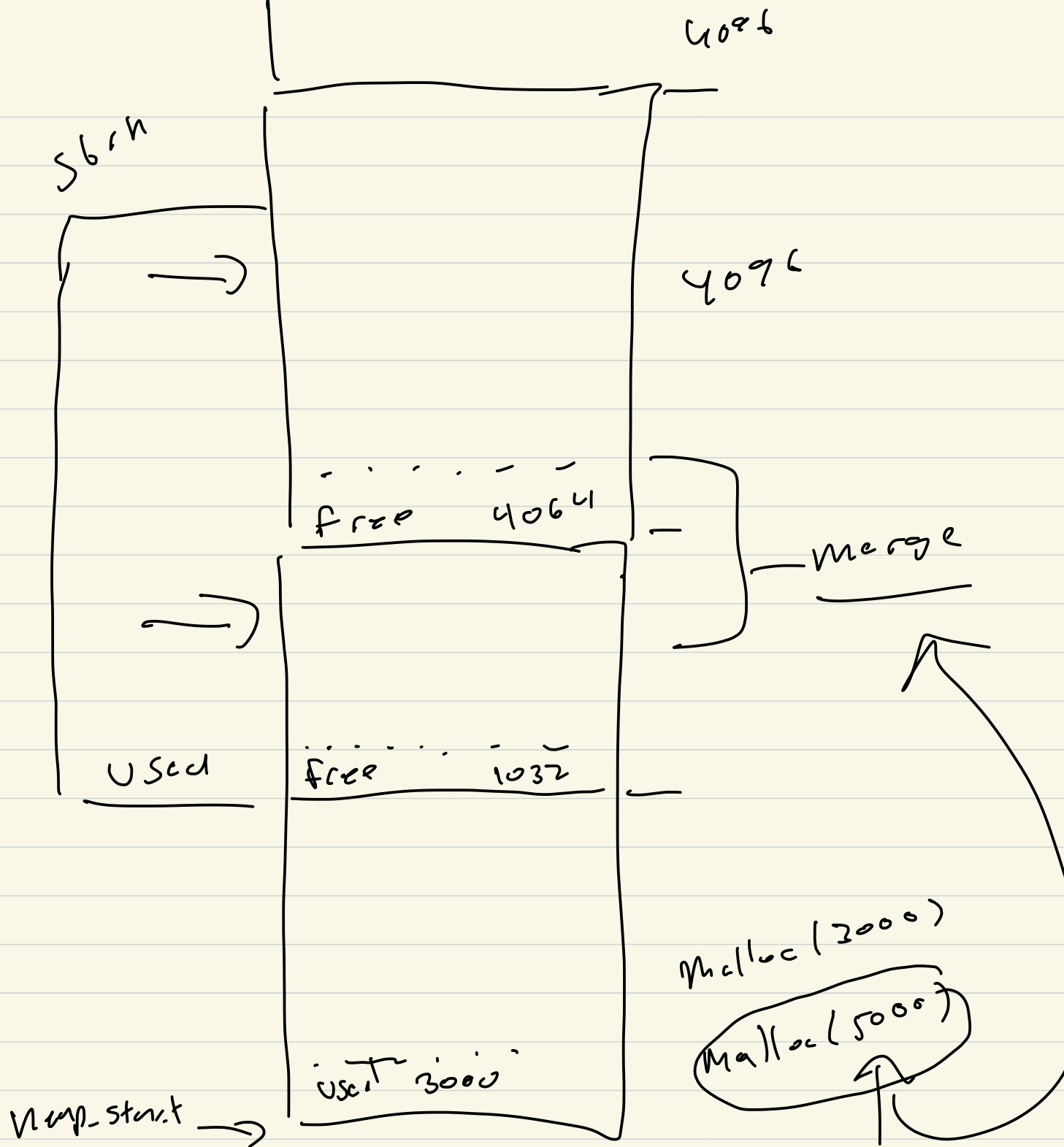


Assumptions

① First Fit

② when splitting a free block





void *p

p = malloc(4096)

~~q~~

struct block_hdr *hp;

hp = (struct block_hdr *) p;

hp->used = 0;

hp->size = (4096 - sizeof(struct block_hdr));

hp->name[0] = '\0';

list_push_back(&block_list, &(hp->elem));