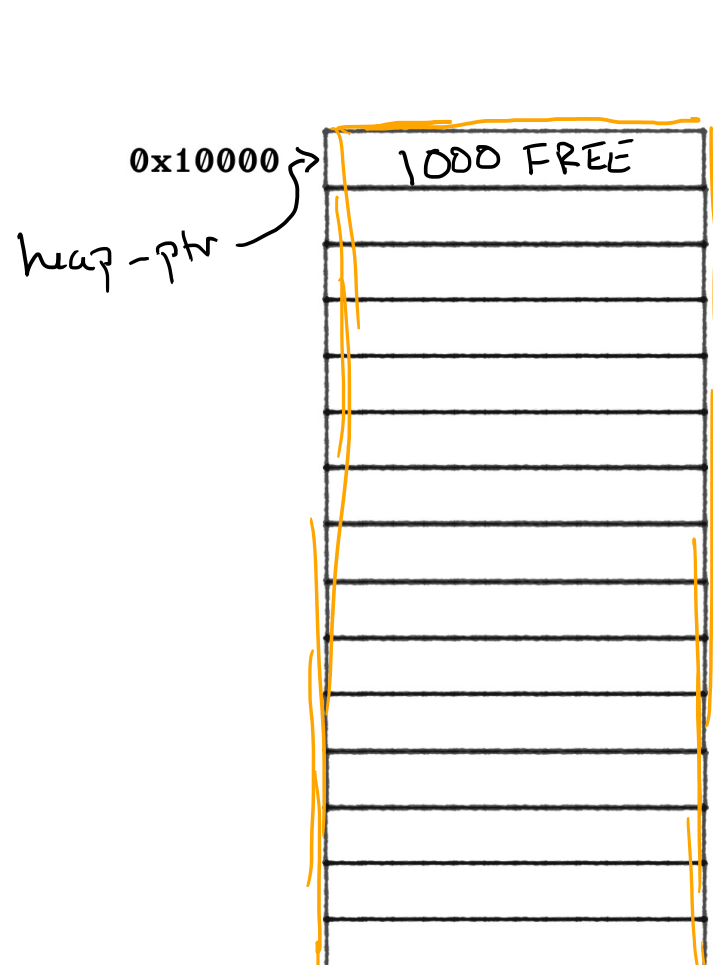
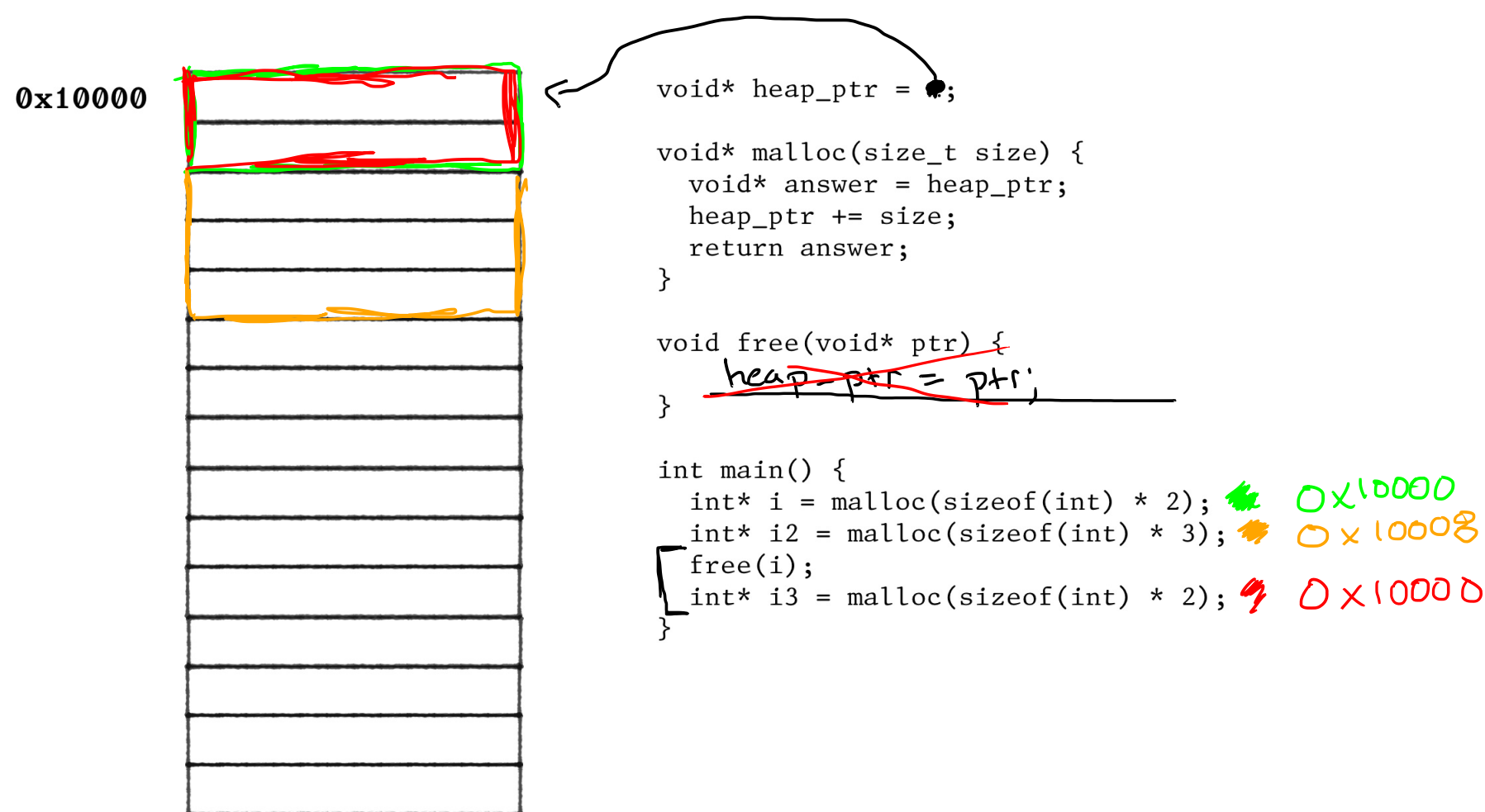
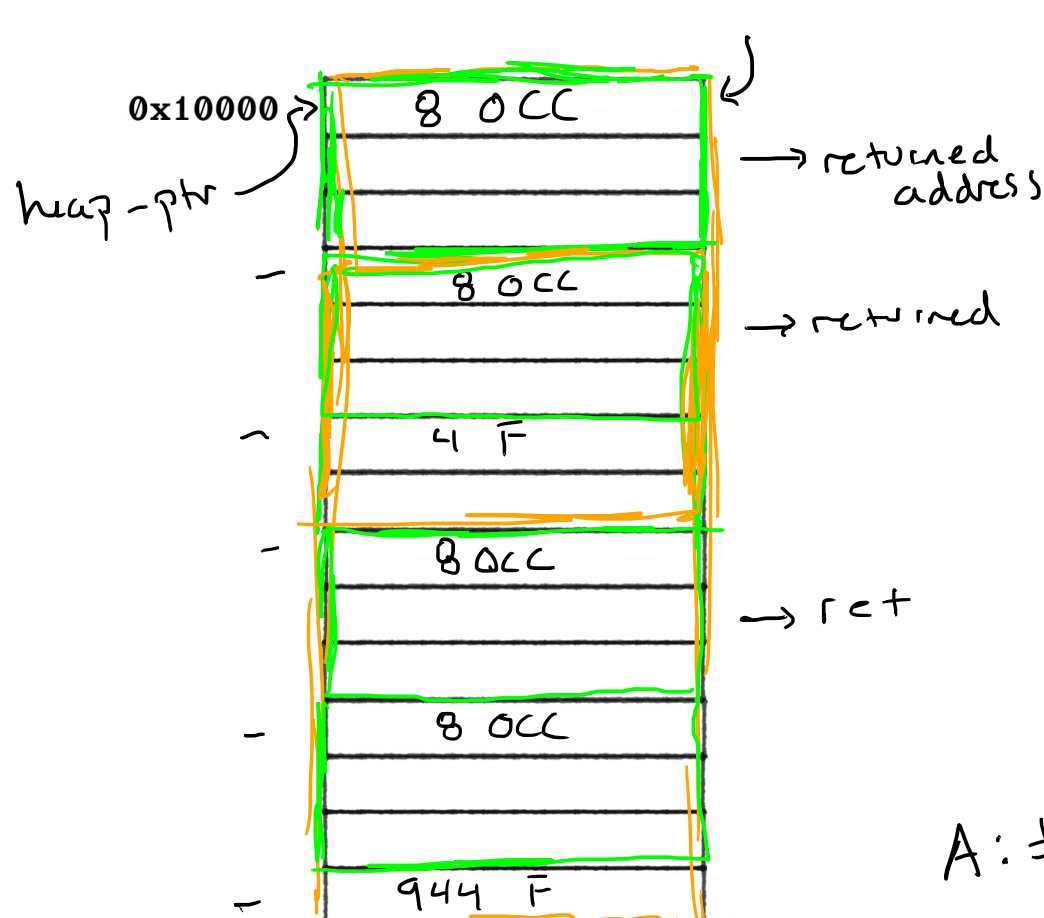


size_t - basically int



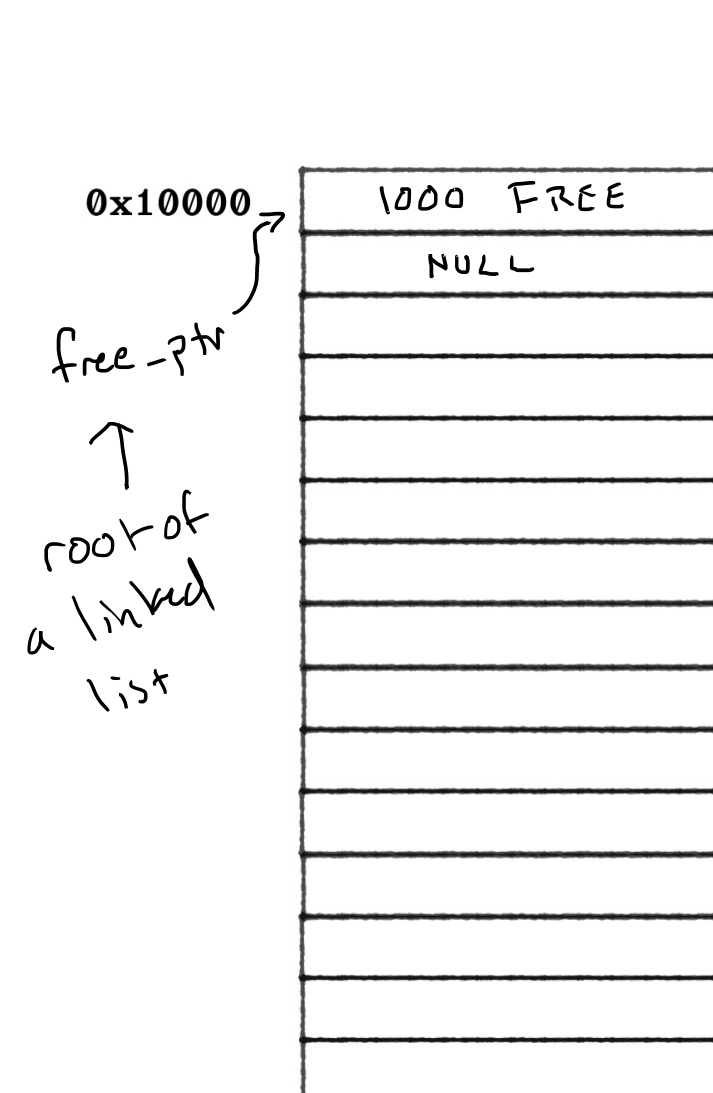
Hand-drawn diagram of a memory stack. The stack grows downwards from higher addresses at the top to lower addresses at the bottom. The top cell contains '8 0CC' with an arrow from '0x10000' pointing to it and the label 'heap-ptr'. The second cell contains '16 0CC' with the label '→ returned address'. The third cell contains '8 0CC' with the label '→ returned'. The fourth cell contains '956 F' with the label '→ ret'. The stack is outlined in green and orange.

Free:
change metadata to say "free"



A: # of free entries)
B: # OCC
C: # total

worst-case time complexity of malloc? $O(\frac{C}{\epsilon})$



```
p1 = malloc(8)
p2 = malloc(8)
p3 = malloc(8)
p4 = malloc(8)

free(p2)
free(p4)
p5 = malloc(8)
```

