Strings in C (or lack thereof)

Garrays of individual characters

char a = 2, (really just

a number)

word

[h/e/1/10]

0 1 Z 3 4 5 null terminator

When C processes a string, it

doesn't remember how long it

is, so everything intenally is

done "until null"

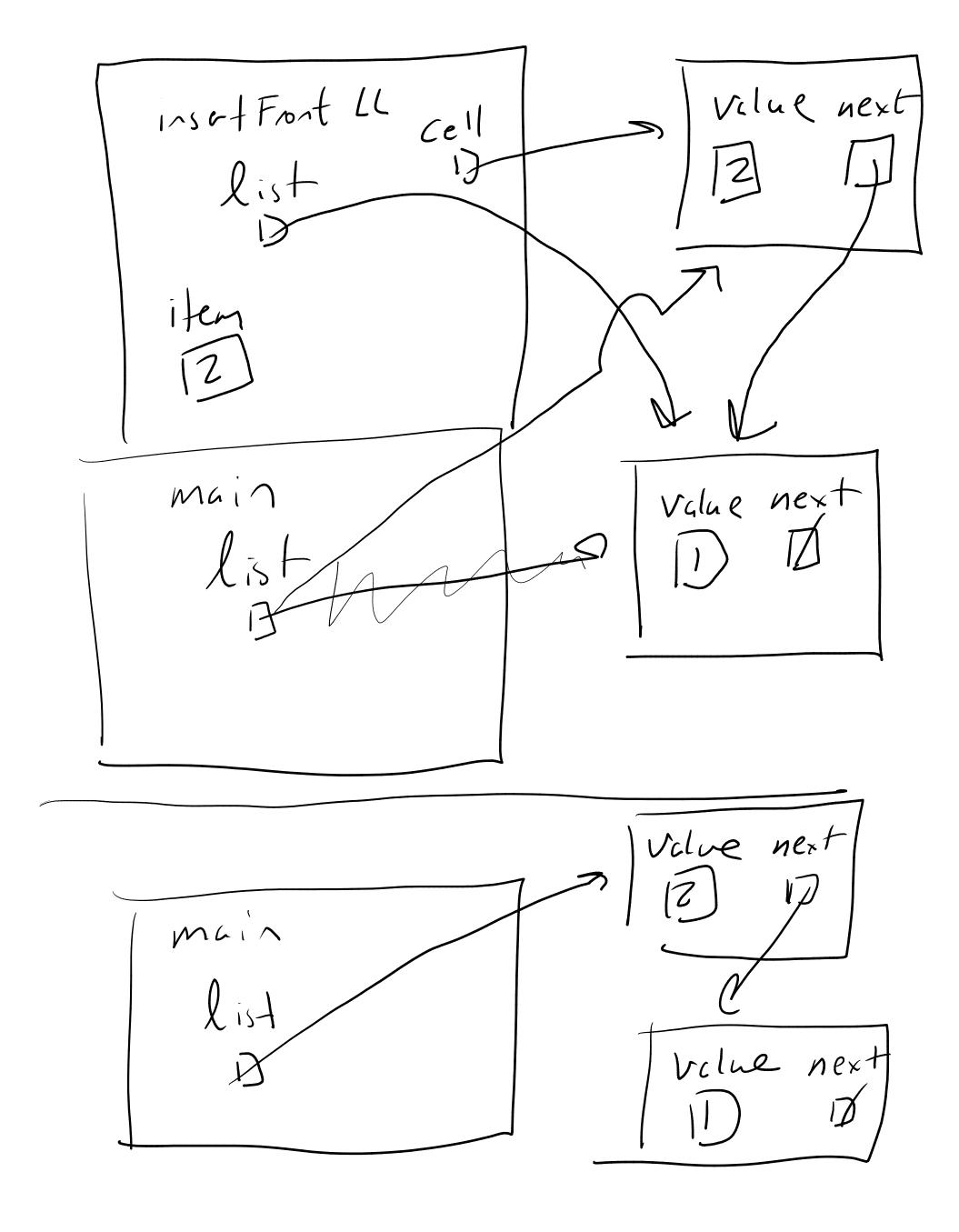
Ma . / WordZ Word 3 heap Stack indicate a string double guotes "he 110"/ string (not really) stred Constant theen "static" memory

Linked lists in C

- we'll do a prototype here but
a different version is part lot
the interprete project

Linked list code pictures

incot Front LL list item Linked List cell Value next



205 lemetic Curet=list; while (urrent!=NUCC) Current = current -> next; fre (Curret)

A difference in the Scheme interpreter (a b 3 "hells") Strict Linked List { (int) value > > > > .
. he have to trick C into being able to store diffact types. suse a union in C Struct Linked List & Union & int i',
double d',

7

A union lets you store different types in the same memory. (but bette remember what you put in theel. Linked List * list = mallod -) list = 6 Pr.n) f (" ---- " list > i) do le sane for d Coayyy Same memory so one will clobbe the other)

Z .			