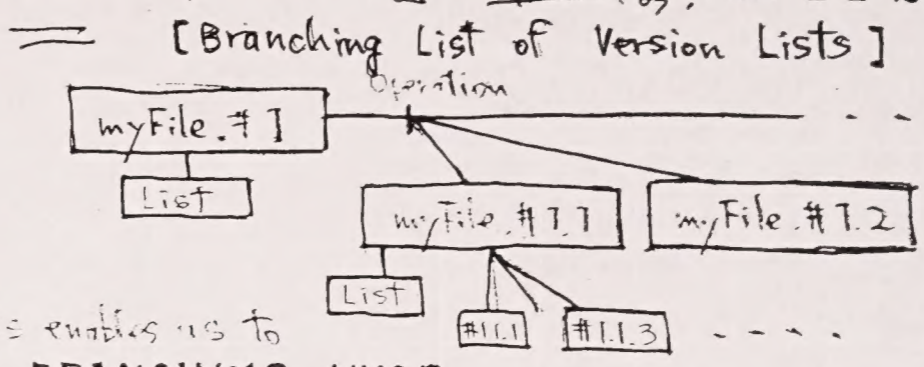
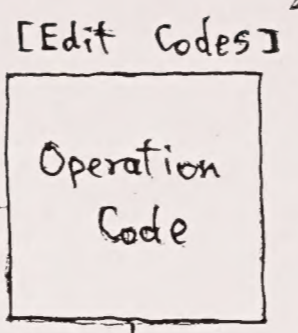
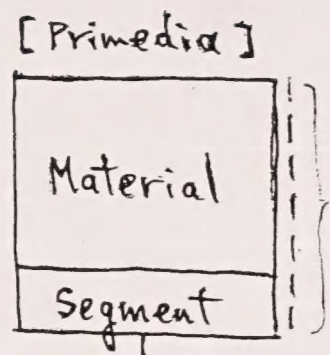


temporary? temporary = ~~viewed as~~ MAY 22 1997



[Specifies the part of Primedia]

This enables us to BRANCHING UNDO.

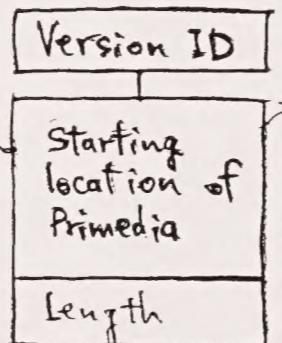
Each Version is current. We can retrieve any version.

\* What if we deal with both text files and audio?

- Segment
  - Address
  - Interface
- PROBLEMS

\* Which way??

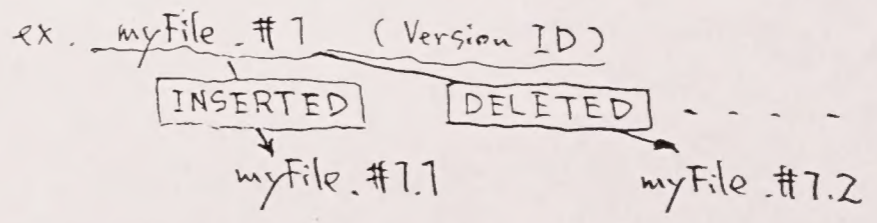
< Virtual Version >



Each operation is stored as code (Version # changes)

- Insert
- Delete
- Rearrange
- Transclude

This version list is saved when the version # has changed. (The version # will change if an edit ops works.)



NOT NECESSARY WE AGREE.

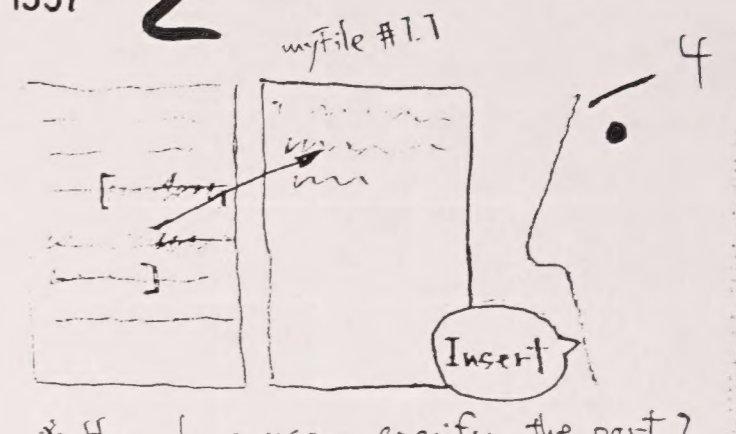
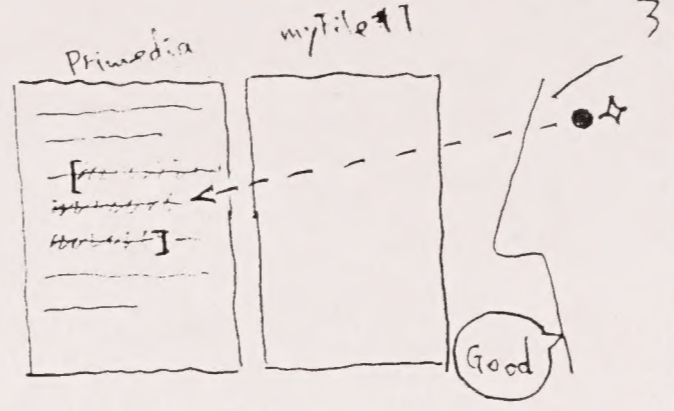
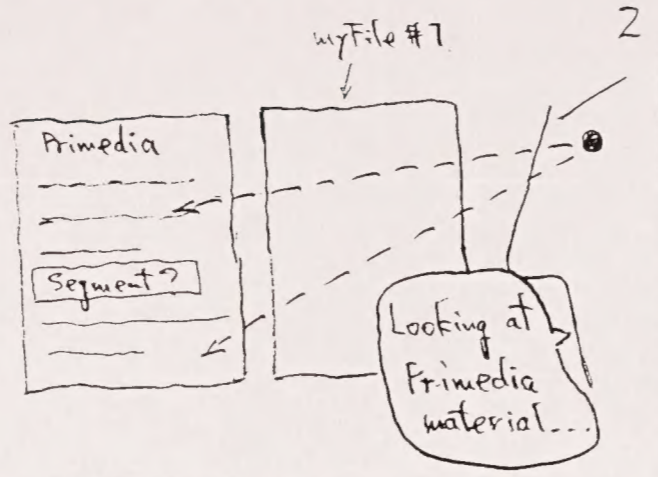
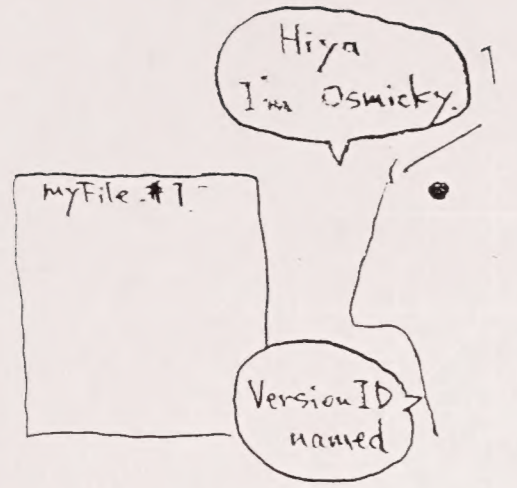
[The system design diagram of OSMIC (Preliminary Specification)]

Written by Kenichi, 21/05/1997

INTERFACE ISSUES

MAY 22 1997

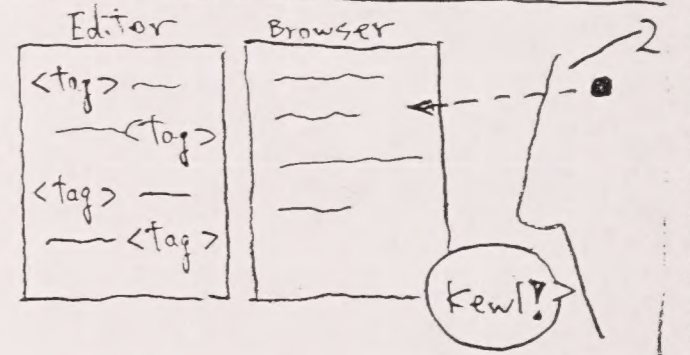
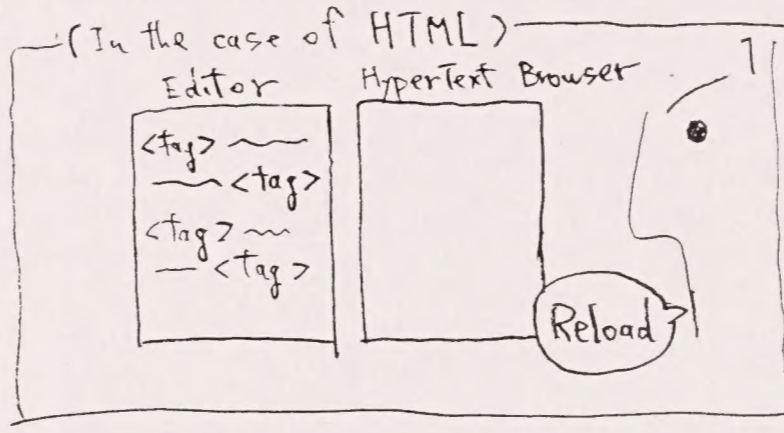
2



\* How do a user specify the part? oops where is the virtual version?

Hyper Cartoon : Osmicky struggles

[ How the Front-End works? ]



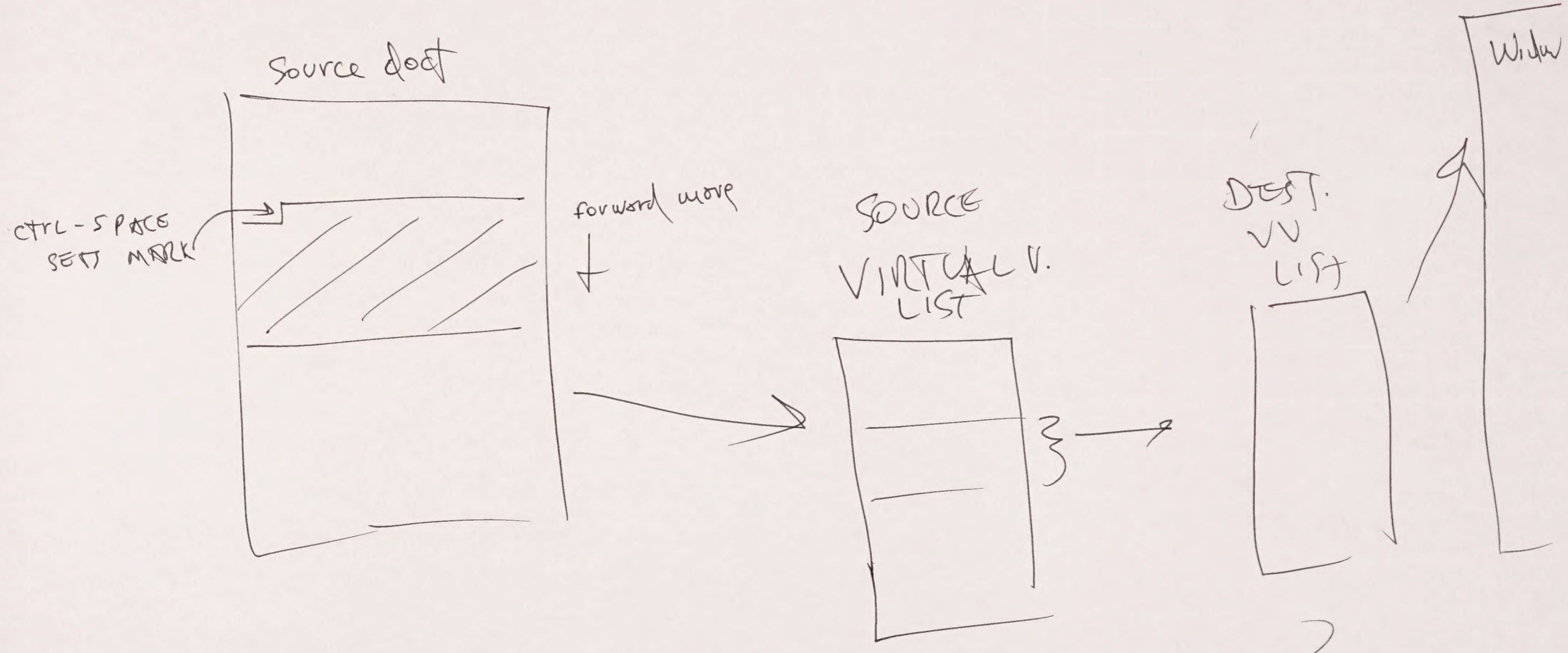
Replying to Ken's cartoon —

THE PROBLEM OF POINTING TO TEXT: YOU ACTUALLY WANT ~~THE~~ <sup>ITS</sup> POINTERS!

MAY 22 1997

3

# USER SPECIFICATION <sup>V</sup> IN EMACS OF TEXT



Emacs shd  
SHOW THESE  
AS WELL

A "document" does have meaning:

IT'S <sup>REPRESENTED BY</sup> THE LIST OF OPCODES WITH THE SAME NAME.  
1

IT'S THE USER'S CHOSEN NAME  
FOR A COLLECTION OF VERSIONS.

# SHOULD ALL EDITS BE POOLED?

Shu correctly points out that last week I said

Op Codes should all be put together;

BUT WE WANT SEPARATE SYSTEM FOR SEPARATE DOCUMENTS!



How to cleanly arrange?

WHAT I REALLY WANT  
 IS A CROSS-DOCUMENT  
 HYPERTEXT MAP  
 (simplified, not slow  
 data trees)

+

MAY 22 1997 6

HYPERTEXT MAPS SHD BE BUILDABLE  
ON ANY SCALE —

Combining DOCUMENTS

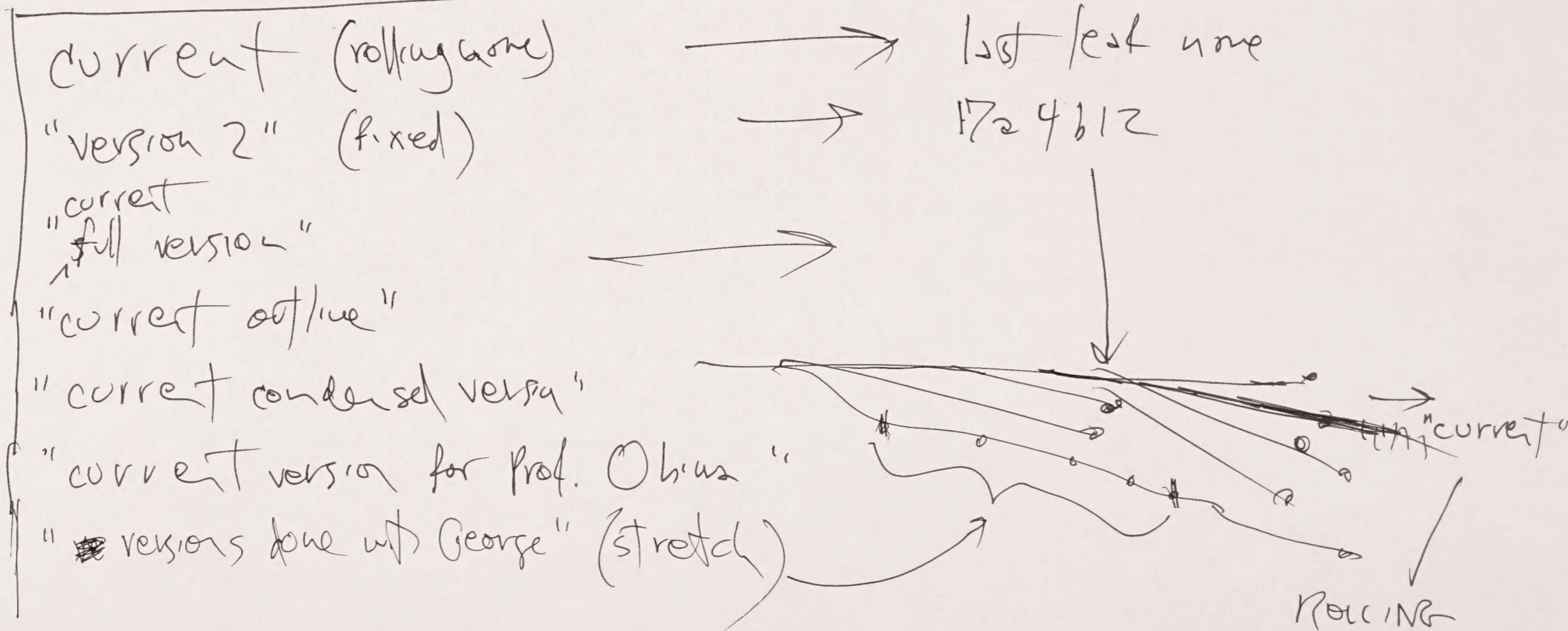
Combining DIFFERENT PEOPLE'S DOCUMENTS  
~~WITH~~ FOR WORKGROUP MANAGEMENT.

TO REDUCE COMPLEXITY

user shd be encouraged to use the parts he likes  
system can ignore the ~~rest~~ rest.

We'll identify the current version as follows:

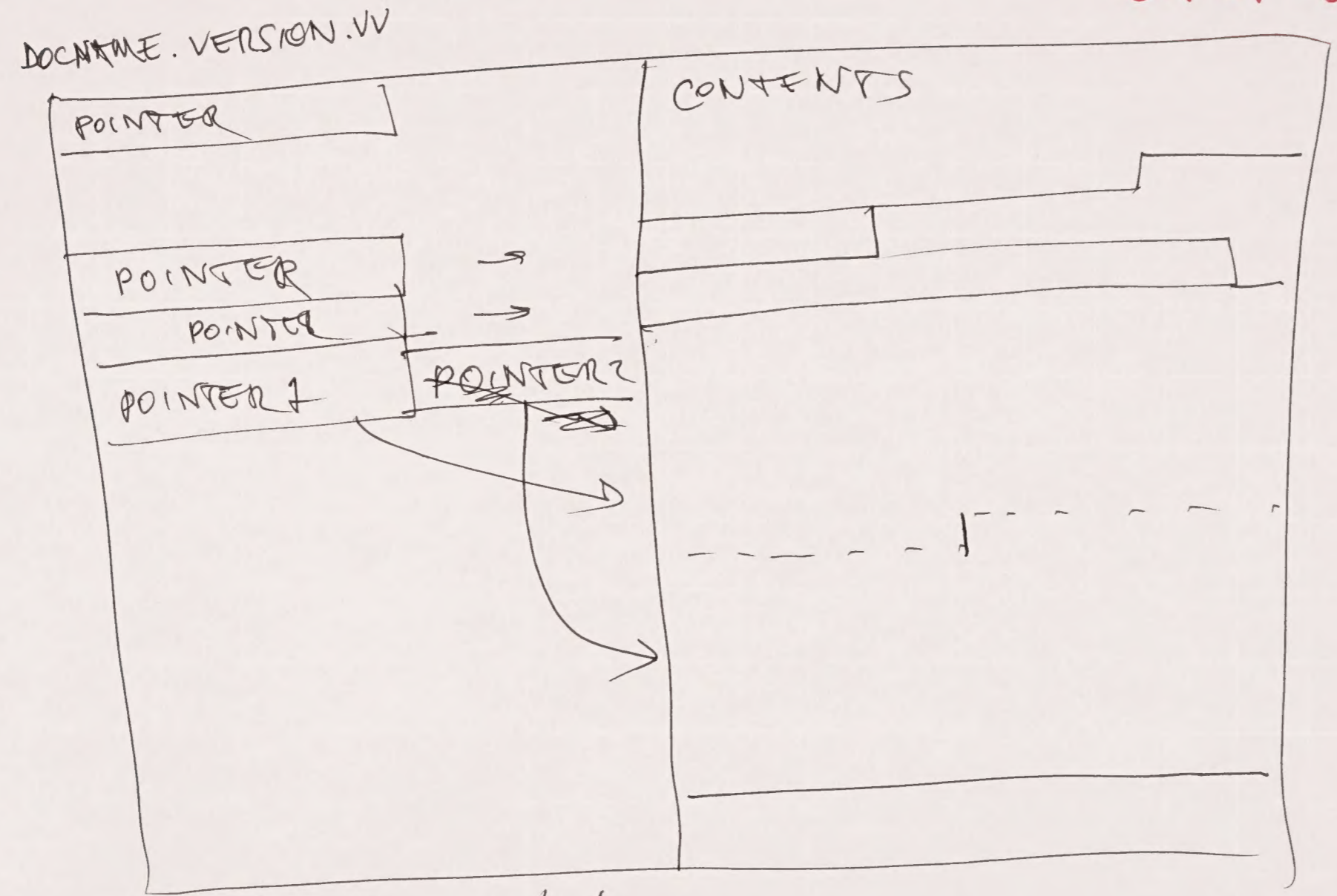
Users.version.name.table (associative array)



Shu: - ONCE YOU STOP A ROLLING NAME, IT BECOMES A STRETCH.

ROLLING means that the name ~~becomes~~ is reassigned to latest change.

IN ORDER TO SEE IT CLEARLY =  
"LAZY EDITOR"



Make 2 visual ptrs  
helps us see  
the operation  
in early phase

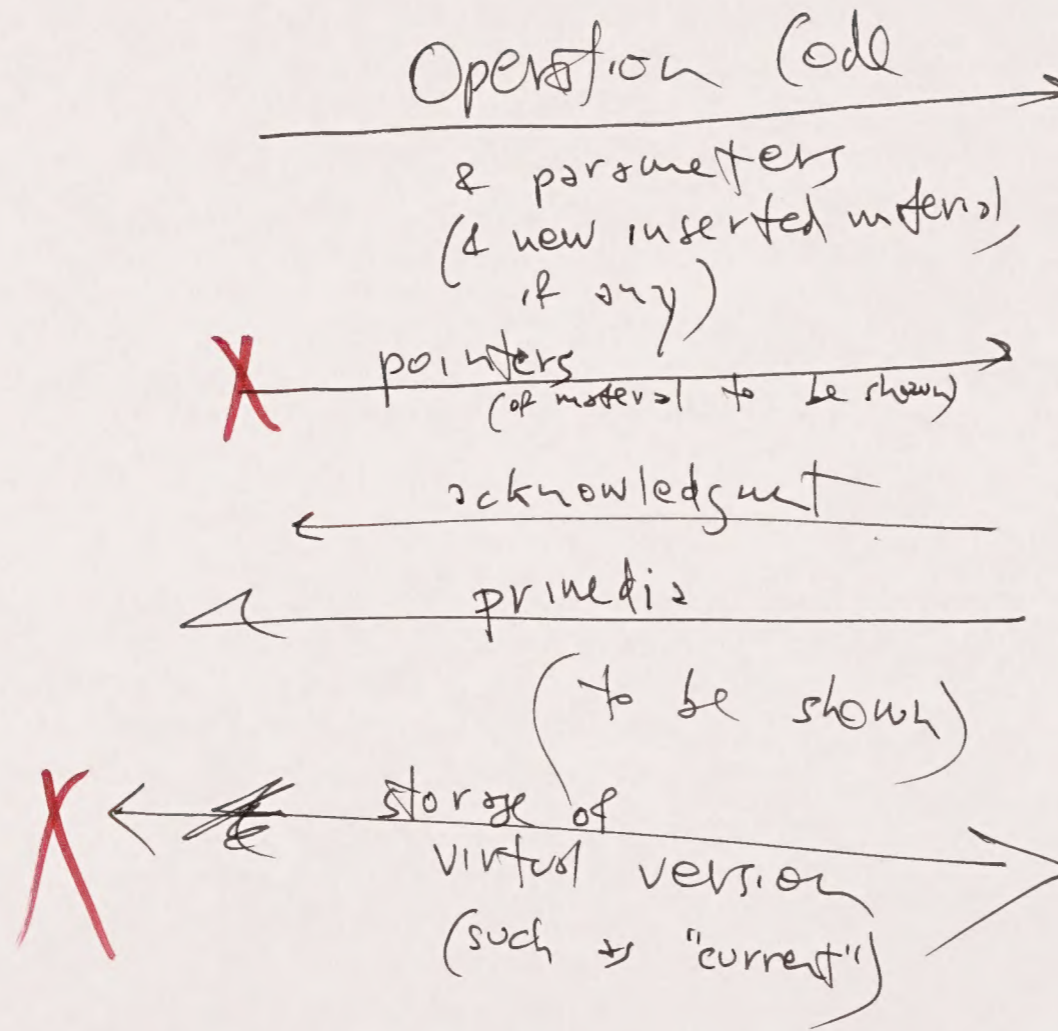


Back end **MAKES** the VV  
Lazy front end shows it  
scrolling in parallel on the pointer list  
and the blocks of content.

# FRONT END

# BACK END

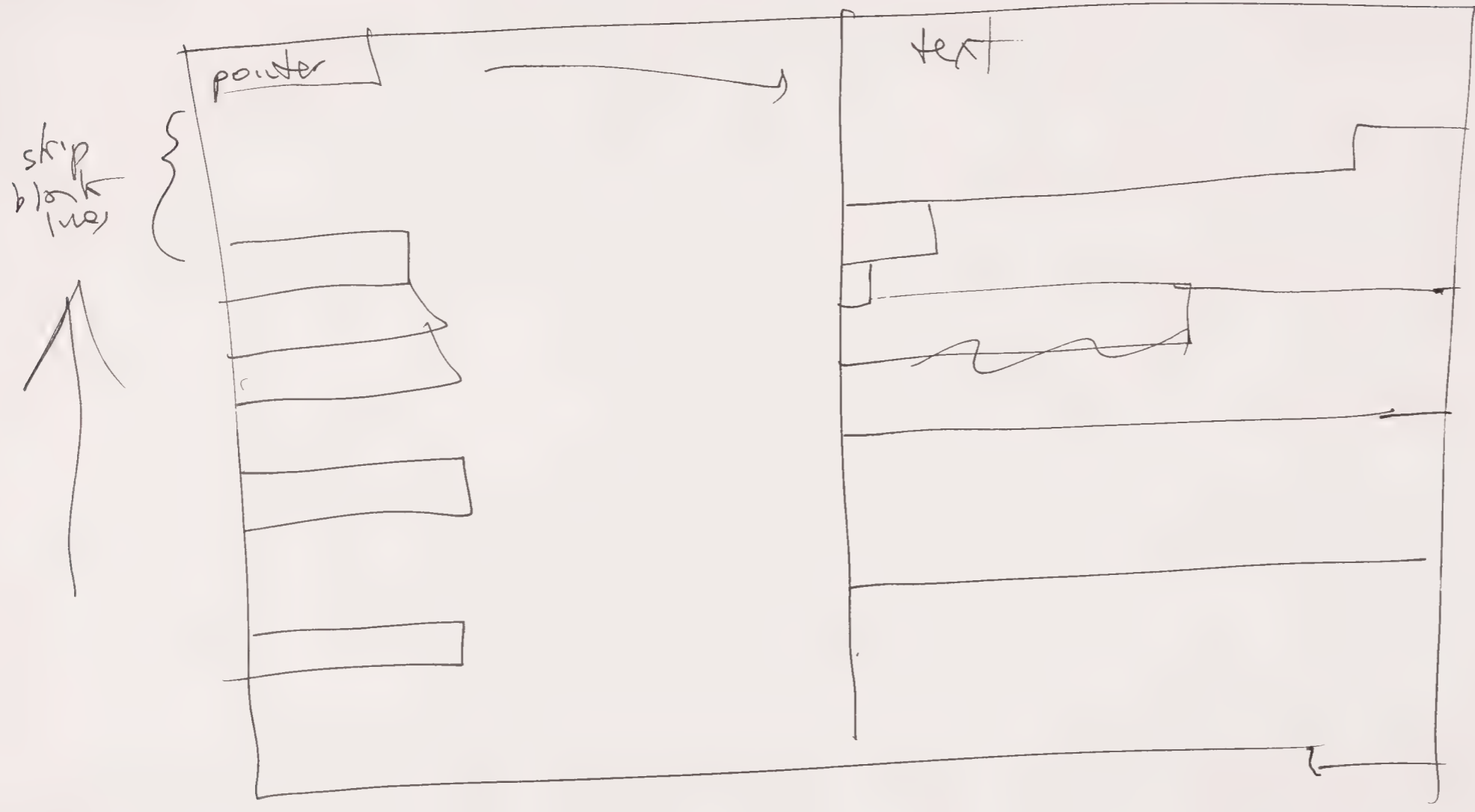
General  
for all  
front ends.



front end shows pointers,  
but doesn't send them

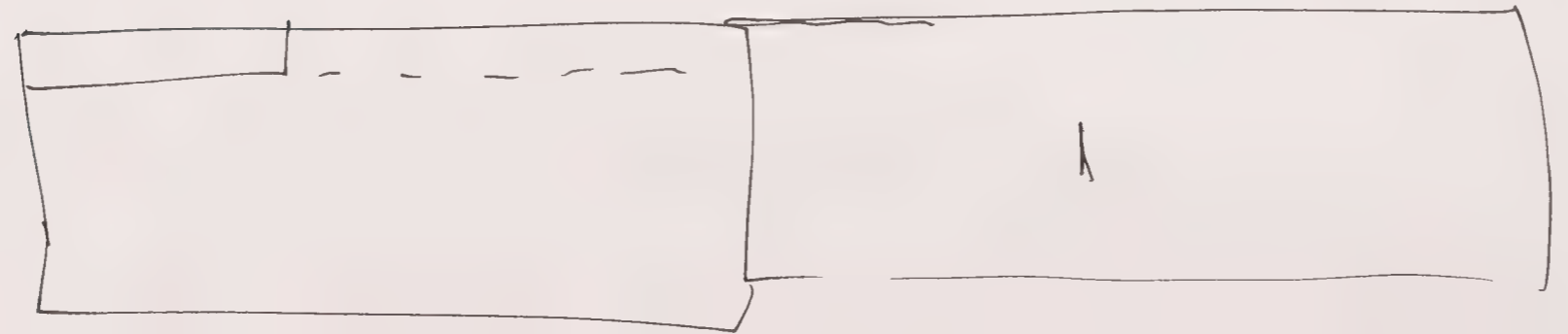
This stays in the back end,  
except to show on screen.

# SCROLLING IN LAZY VV EDITOR

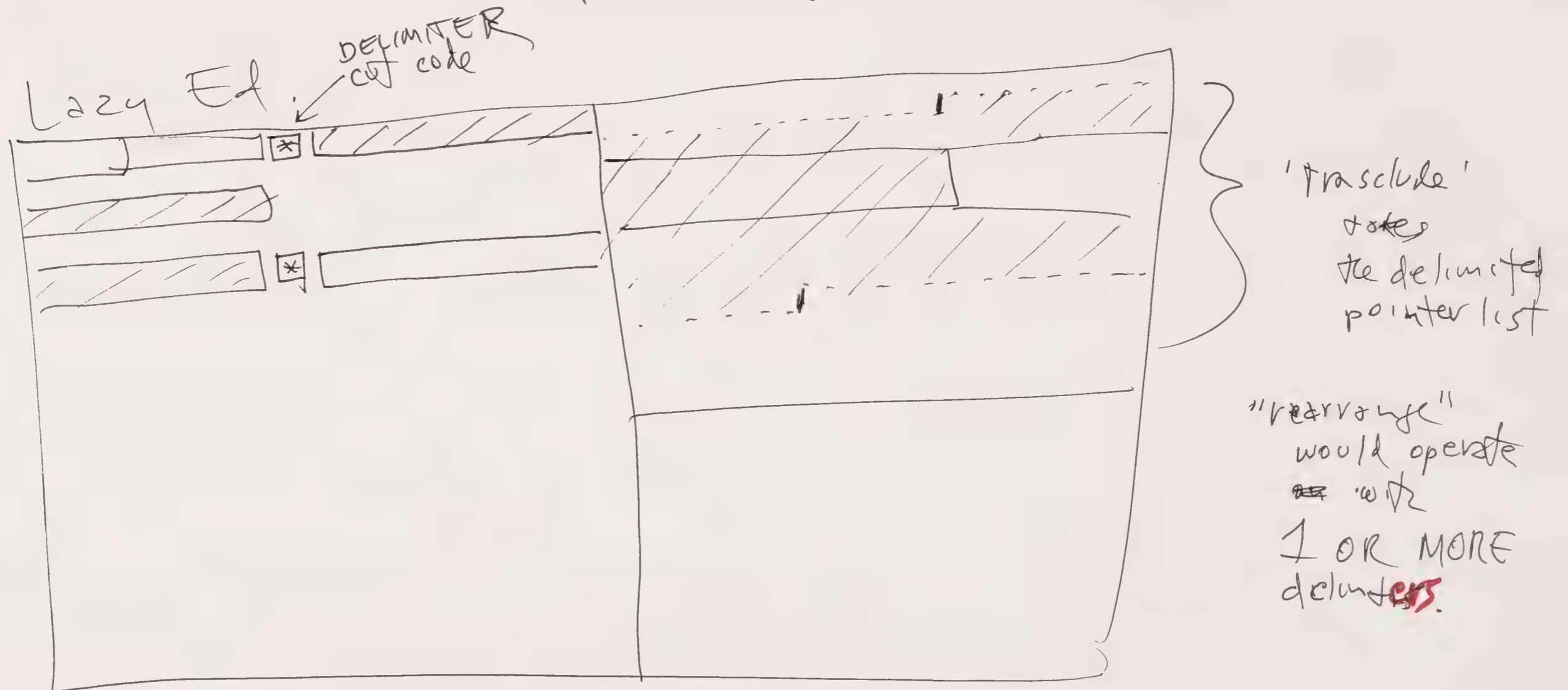


Blocks of text appear next to their pointers.

WHEN YOU PUT \* CURSOR IN,  
The second ptr wd appear

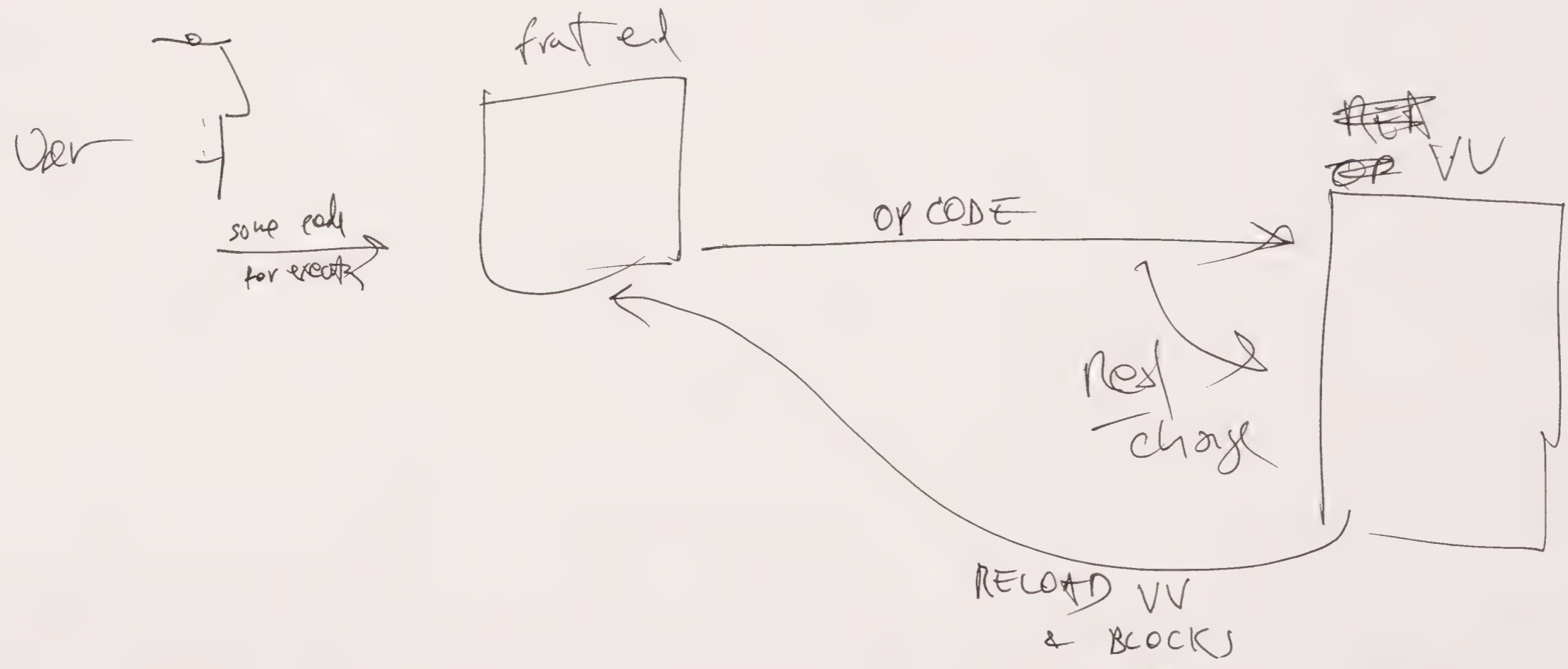


# CUT MARKERS FOR REARRANGE & TRANSCLUDE



↑  
 TRANSCLUDE & REARRANGE OPS  
 THEN DEAL WITH THE SECTIONS  
 BETWEEN ~~DELIMITERS~~ DELIMITERS

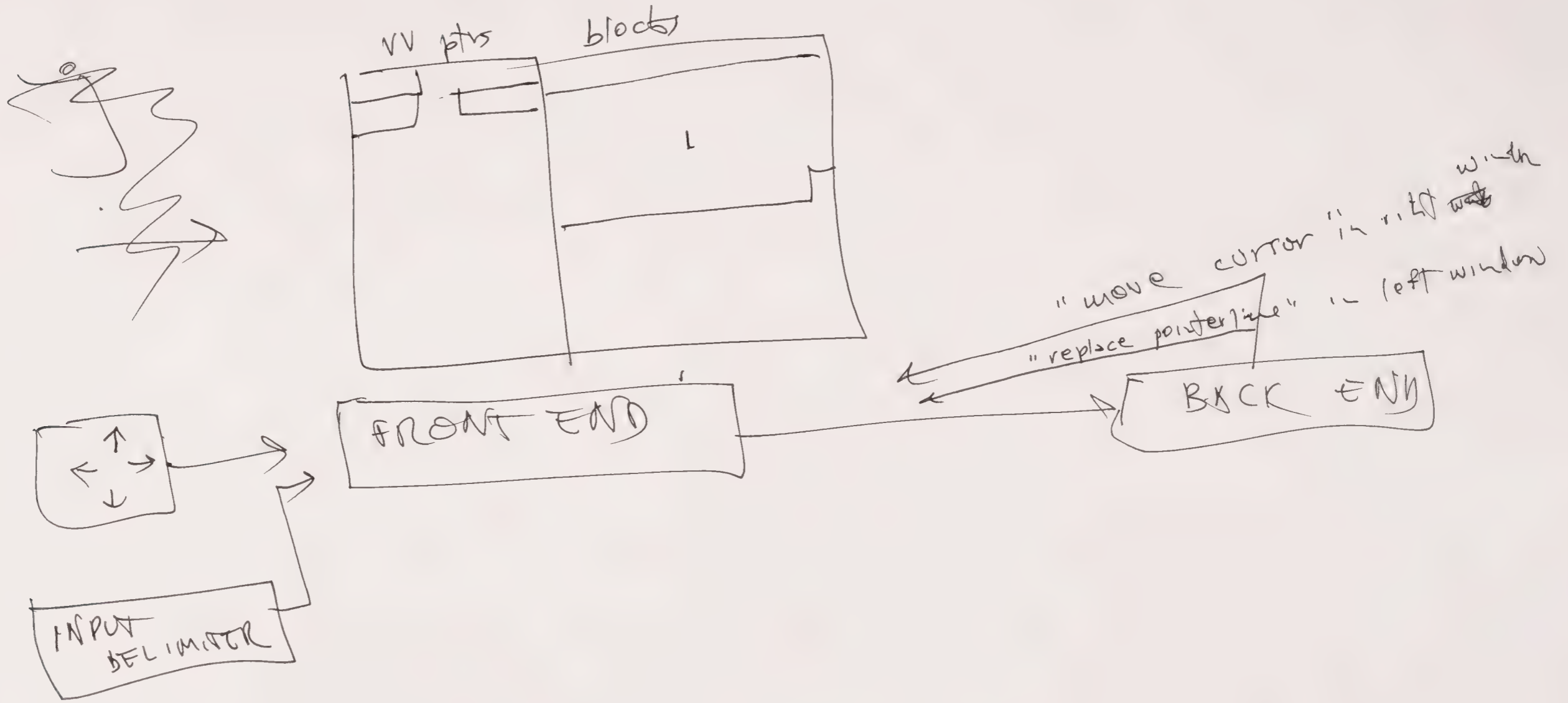
# COMPLETION OF OP



(No — it should be more detailed.)



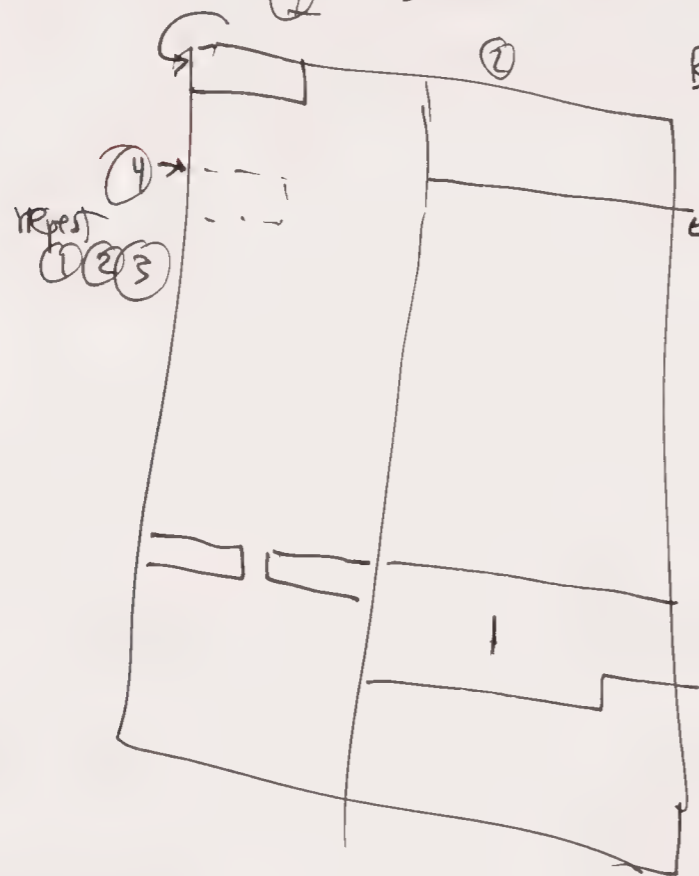
SHOULD IT WORK LIKE THIS? Cursor operation goes to back end?



# ★ REFRESH METHOD :

(User specifies version to list, it's either saved or rebuilt from codes.

① Back end sends virtual version pointers to left window  
② Back end sends correspondingly primed. = block to right ~~into~~ window

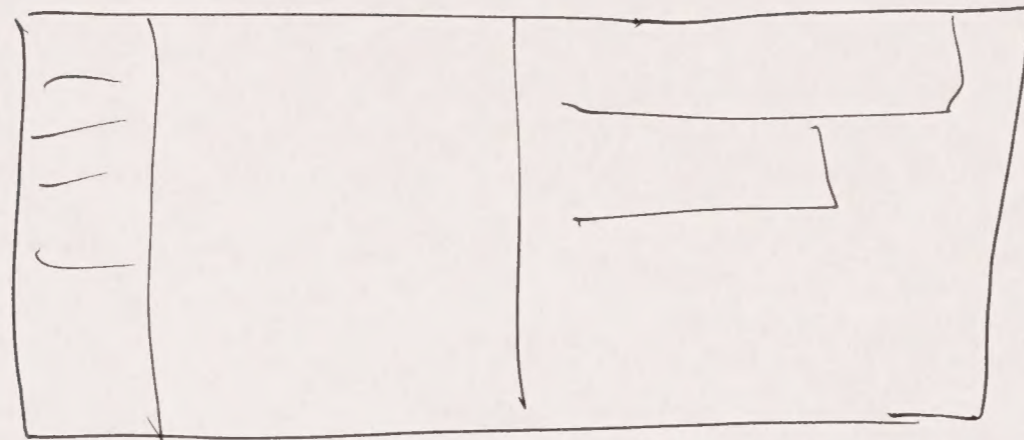


③ increment line number

WHEN USER INSERTS OR MOVES CURSOR, the second pointer is ~~clear~~ shown

IF TYPING BEGINS } second pointer enters VV list.  
IF DELIMITER IS TYPED

FOR INSERT, DELETE, REARRANGE = 2 windows



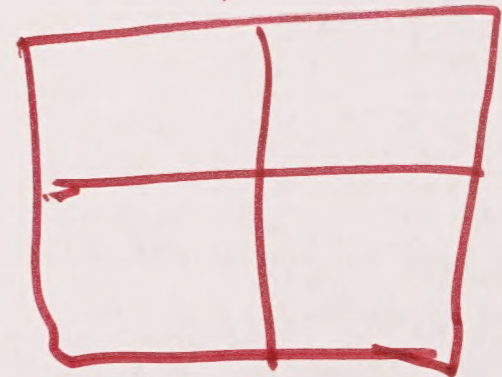
FOR TRANSCLUDE (and <sup>rearrange, add</sup> later comparisons)

SOURCE                      DESTINATION

4 WINDOW



OR: (easy in Emacs)



could be some version.

GOOD FOR BIG REARRANGES.

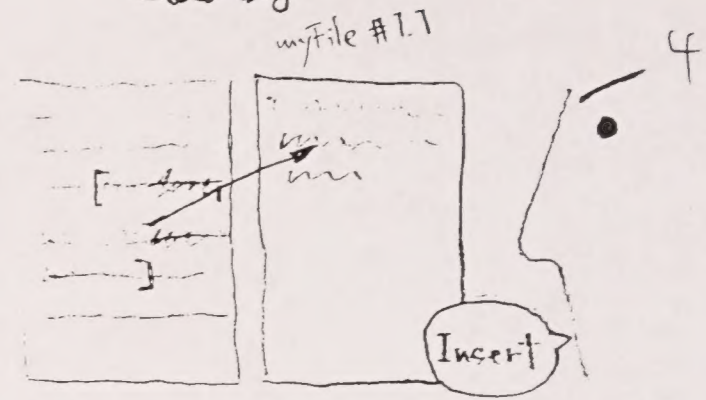
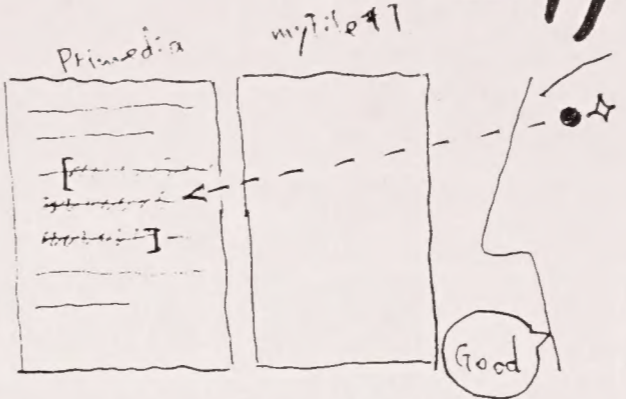
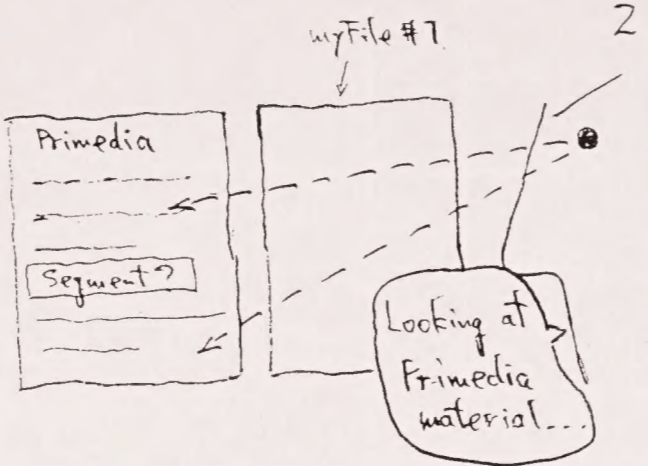
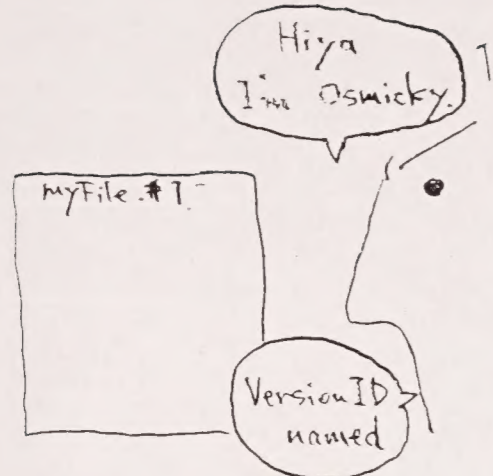


INTERFACE ISSUES

MAY 22 1997

17

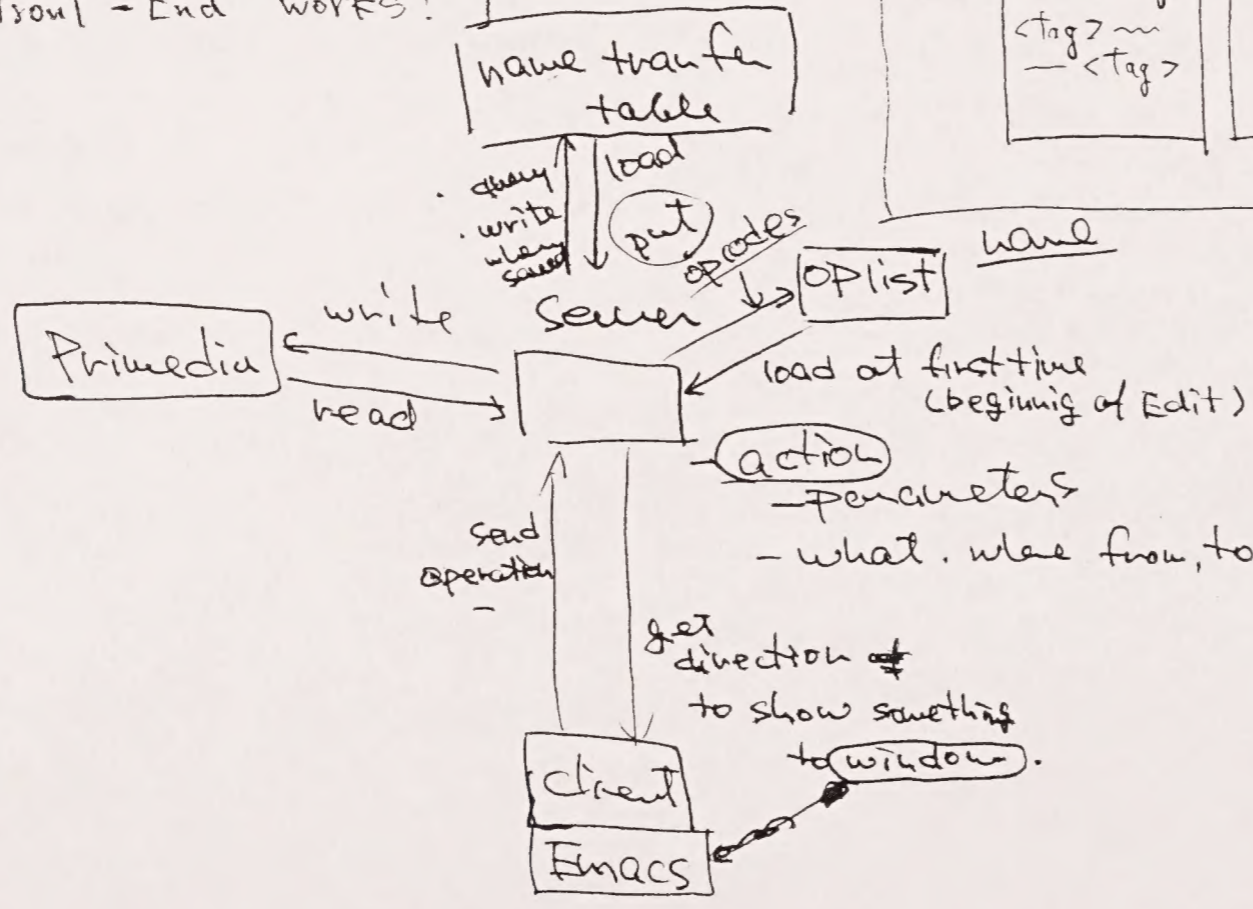
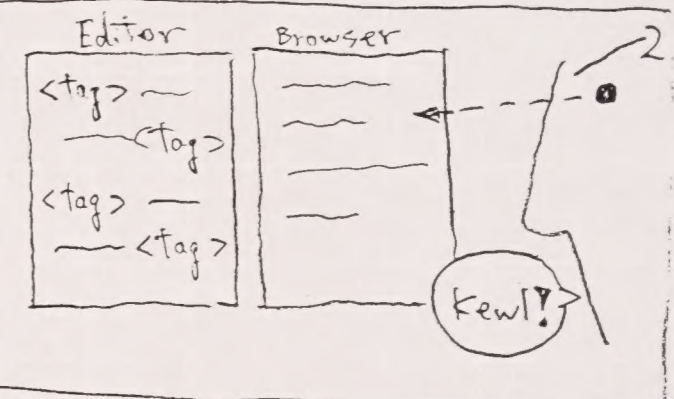
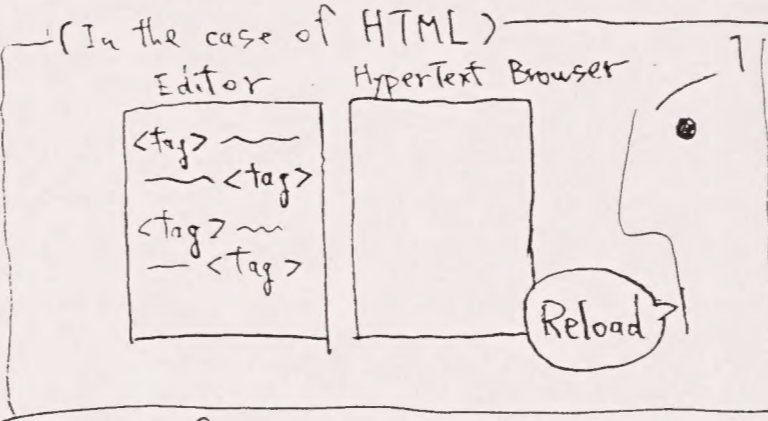
いっかは Garbage collection と Garbage



\* How do a user specify the part? Oops where is the virtual version?

HyperCartoon = Osmicky struggles

[ How the Front-End works? ]



- protocols
- ~~action~~ Operation.
  - \* Parameters
  - \* protocols
- actions between actors

いっかは Garbage collection と Garbage

MAY 22 1997

18  
↓

# WHAT SHALL WE DO AND WHEN?

---

\* Kei has installed Linux on my Dell —  
Networky w/ old Ethernet card.

\* Ken will do the BACK END.

Shu & Kei will do the Emacs part.

(Lisp may not be necessary —  
what we've designed in the Emacs Editor  
could work with what's already in keybindings.)

'July is too busy?

SO WE HAVE ABOUT A MONTH.

MAY 22 1997

MAY 22 1997

19  
7

