

APR 17 1997

Ø

WORKSHOP IN NEW HYPERSTRUCTURE

Second session.

(First was a video and discussion without TN.)

/block= mostly added 17.04.20

THE HISTORY OF COMPUTERS

(especially)
as we
see it
in the
Xanadu
project)

<p>1955</p> <p>TN starts serious note-taking —</p> <p>World's first rock musical — Nov 57</p>	<p>1960</p> <p>TN's first movie —</p>
	<p>1960</p> <p>→</p> <p>Xanadu paradise</p>

personal computer

Xerox
PARC

S-100 Bus

Apple

IBM

PARC interface

IN specks
st PARC,
1972

1979:—
*'Swarthmore
Summer'*
TN,
Roger Gregory,
Mark Miller,
Stuart Greenberg,
Roland Kiley
& ...

1979: *Northmore Summer!*

TN,
John Gregory,
Mark Miller,
Art Creepin,
Roland Kiley
& ...

Completion of XANKGU 88.1

1981: *IBM PC*
Design work

1985: *Mac II*
FUNDING BY AUTONET INC
TN was not involved in the technology involved

1986: *Mac II "dark grey"*
REDESIGN

1987: *Mac II "black & white"*

1988: *Mac II "white"*

1989: *Mac II "white"*

1990: *Mac II "white"*

1995

WEB

CHAOs

Ted Taylor Oct 10, 1995

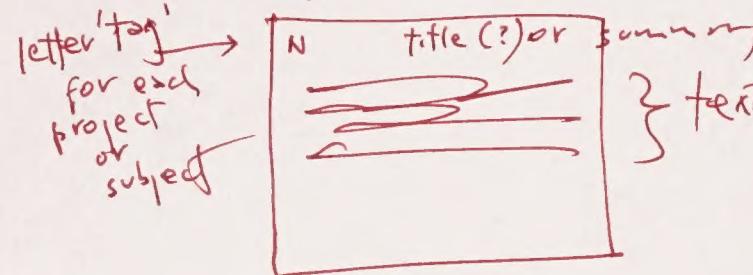
OSmotic

theory

cropland

HISTORY OF XANADU CONCEPT

1. Note-taking systems



~~What if one card be~~

EXPECTATION OF
NEW SUBJECTS
AND NEW TERMINOLOGY.

Humpty Dumpty rule.

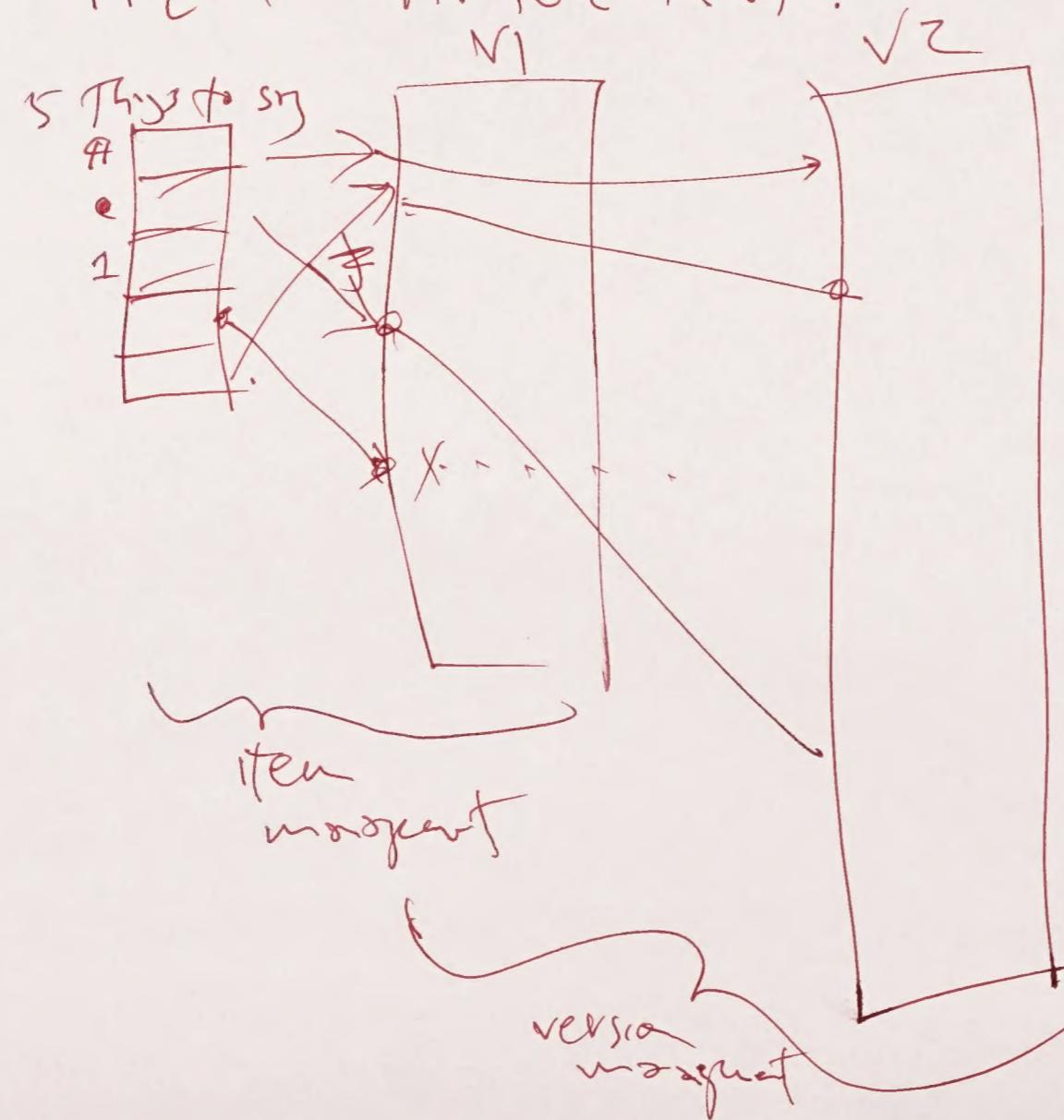
USES OF THIS.

- A. HELPING ME REMEMBER. The next idea is formulated more easily.
- B. PROJECTS. Writing plays columns FROM THE CARDS.
This prevents "Writer's Block."

MOLTEN THOUGHT: Text systems & the Nature of Writing

for technical people to understand nature of writing.

VERSION MANAGEMENT ITEM MANAGEMENT.



INTERCOMPARE,
CONSIDER
ALTERNATIVES

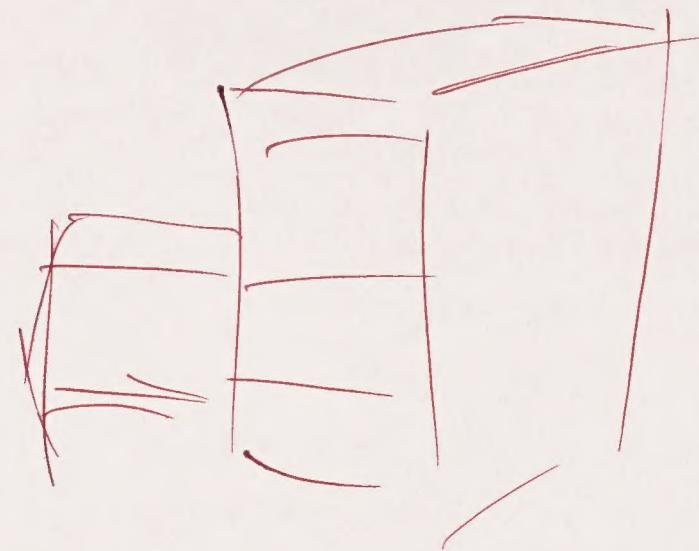
VERSION MANAGEMENT IN ARCHITECTURE = an example.

APR 17 1997

4

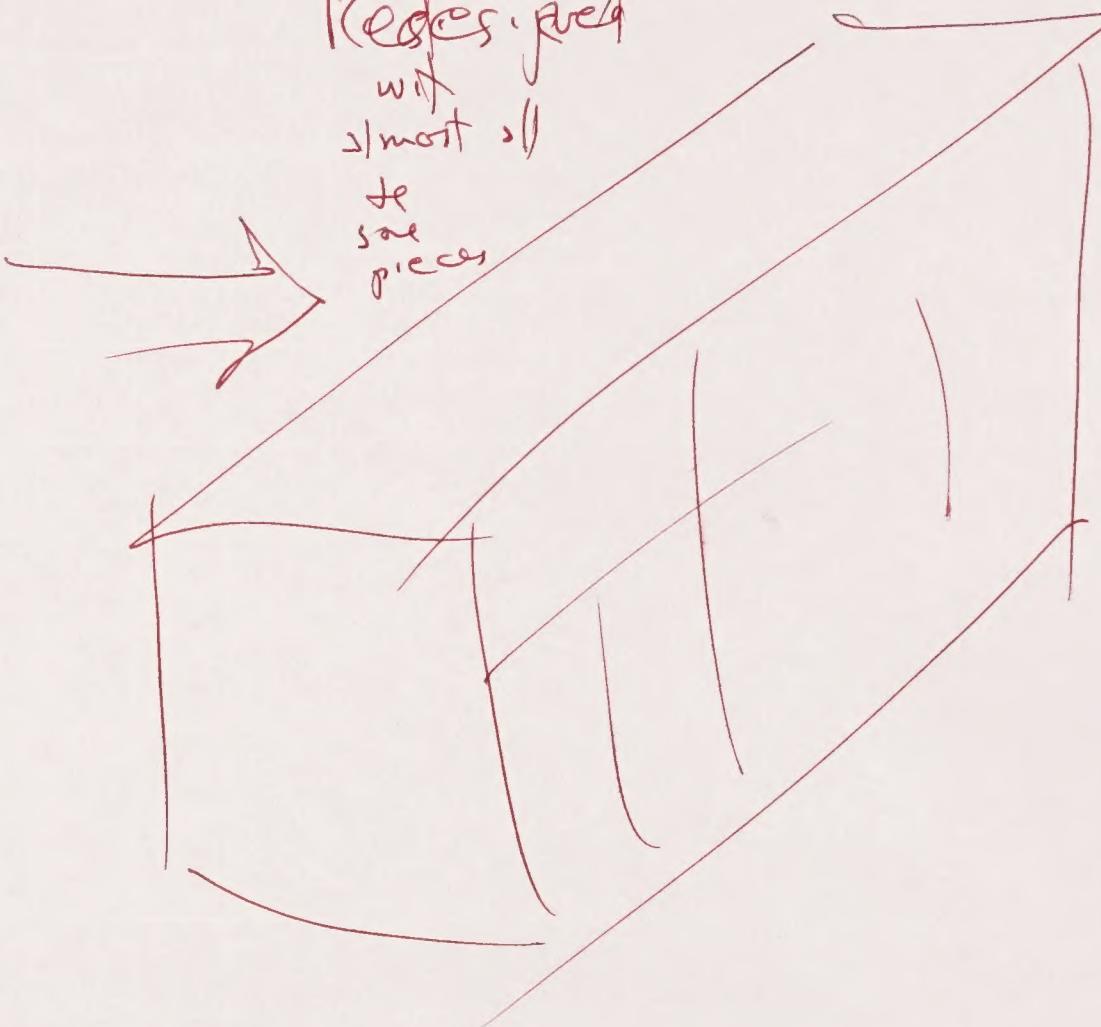
Charles & Ray Eames, designers. HOUSE IN L.A.

Original design



Redesigned

w/ almost all
the same
pieces



They decided their first design
would spoil the land
so they redesigned it
completely —

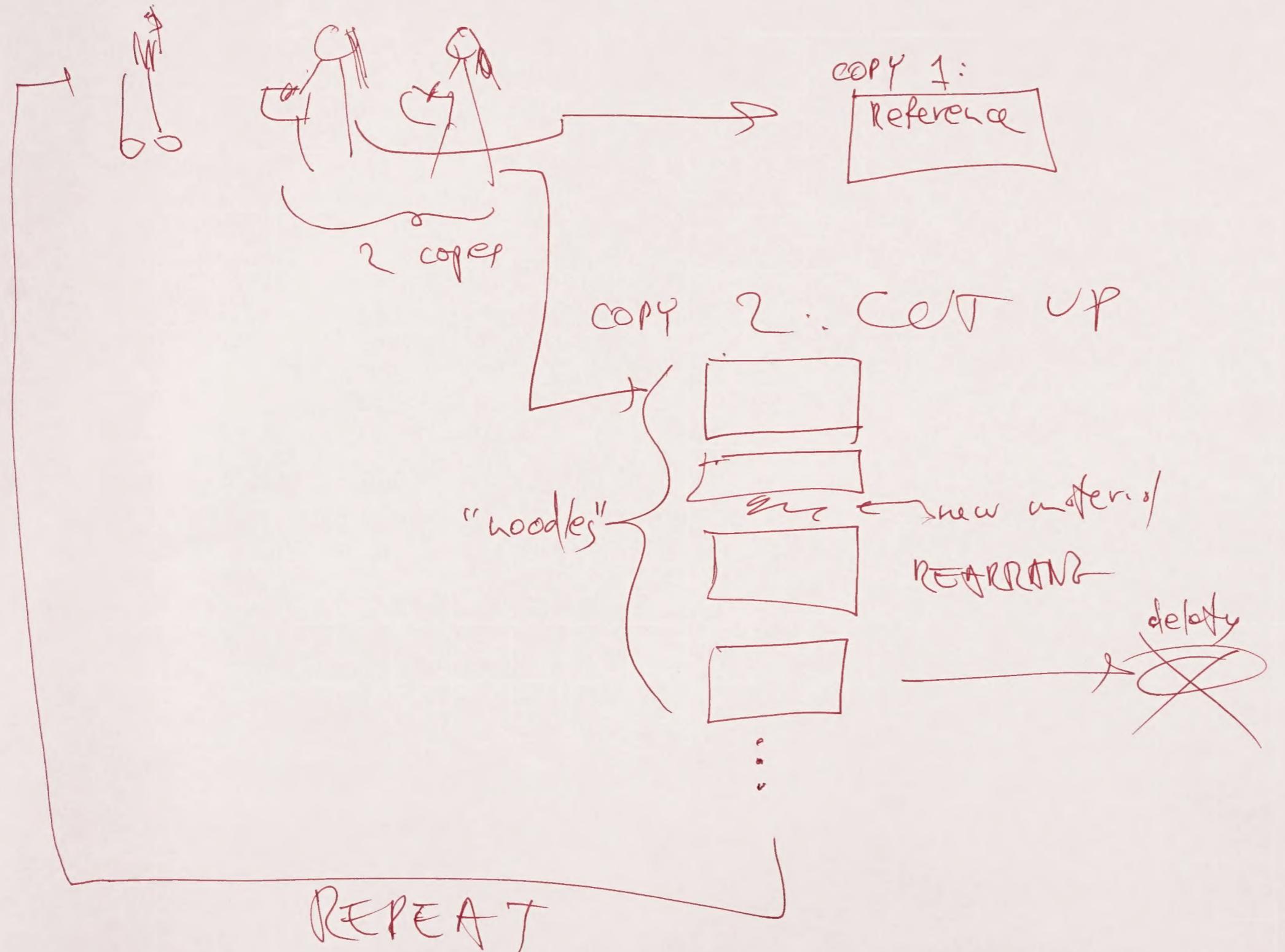
WRITING IS A ~~DESIGN~~
KIND OF DESIGN. → ⚡ (Crest) overall structure
from ideas
& pieces.

APR 17 1997

5

TOLSTOY ~~N~~ NOODLES.

The system may people invent independently,
"Yasnaya Polyana"



DRAFT:
combination of
old &
new material

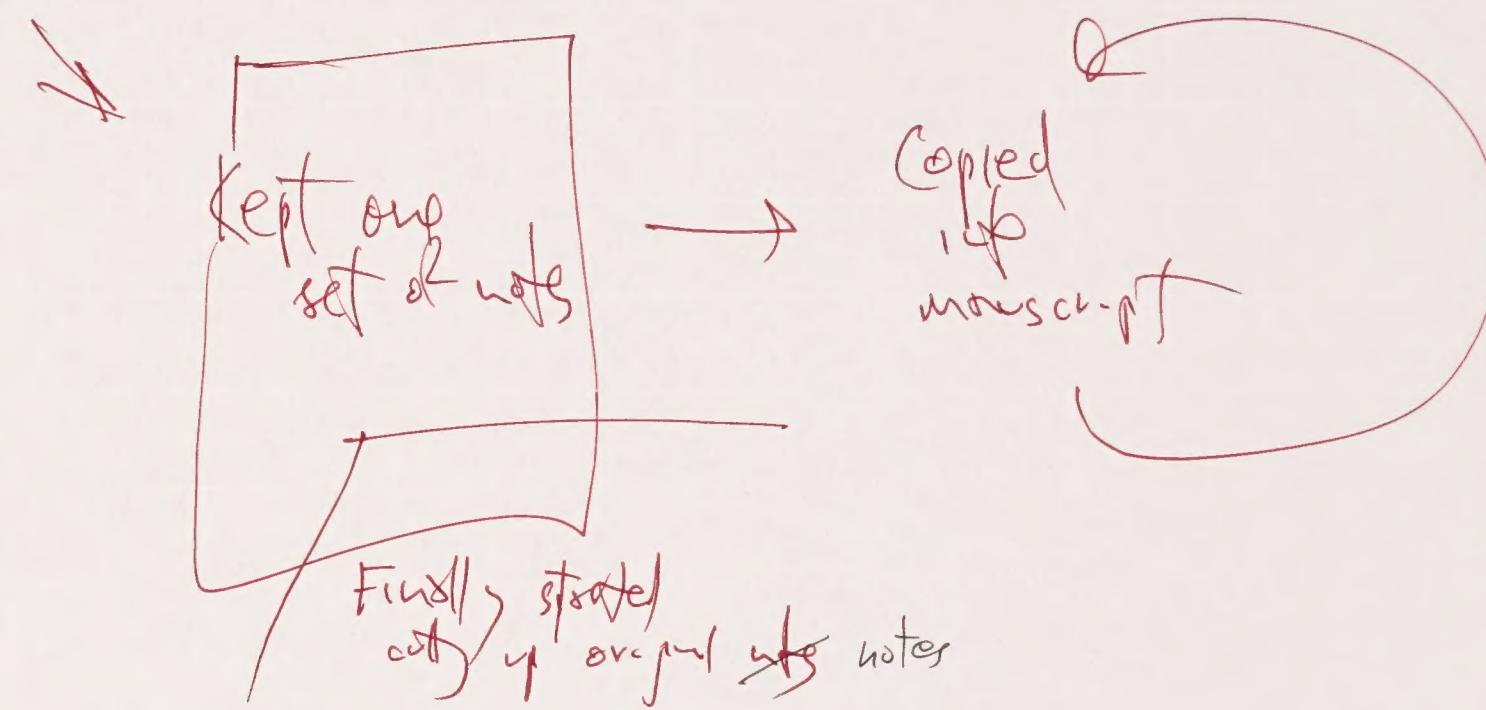
"Fair draft"
author's
flesh copy

APR 17 1997

6

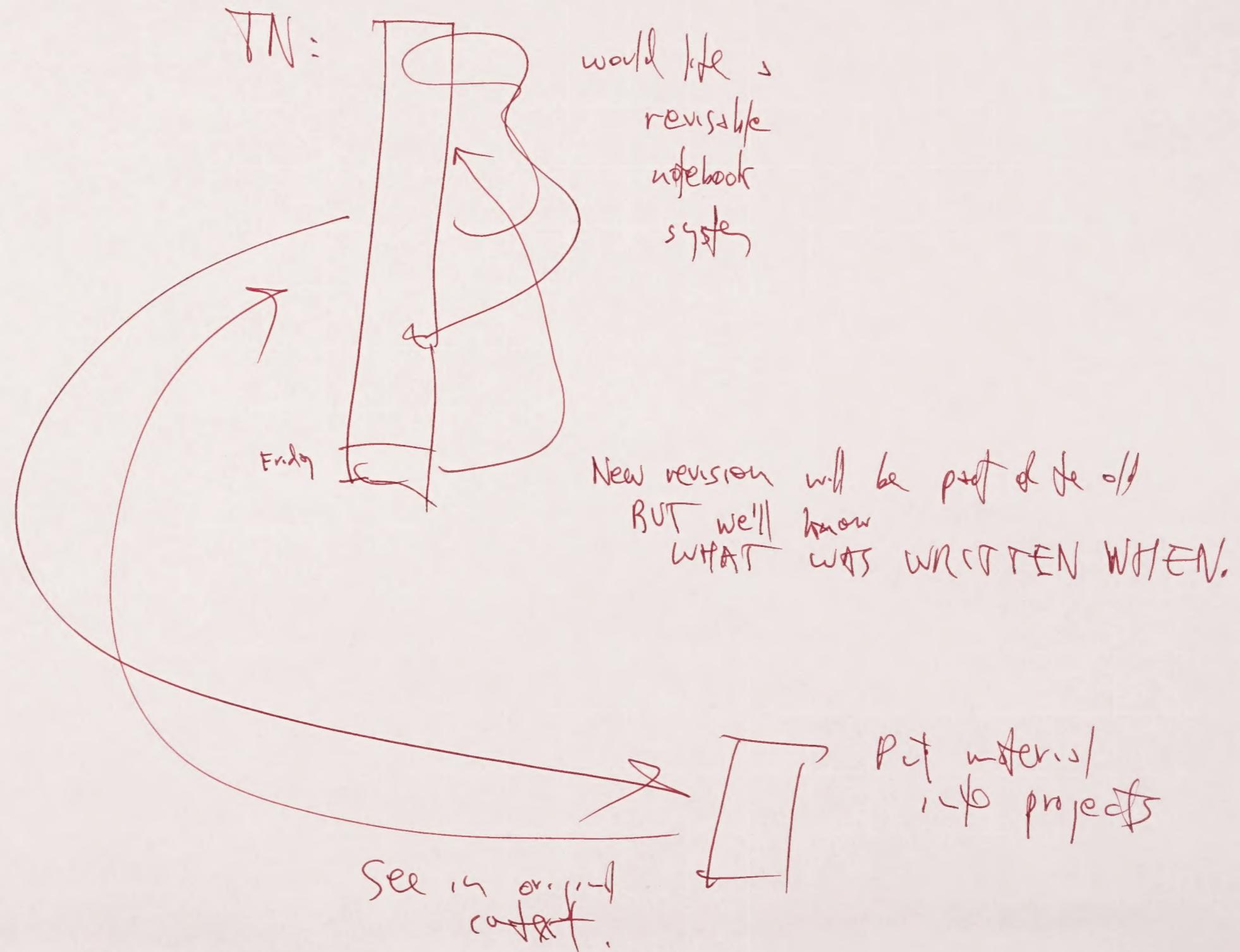
Everybody re-invented this method.

Henry David Thoreau.



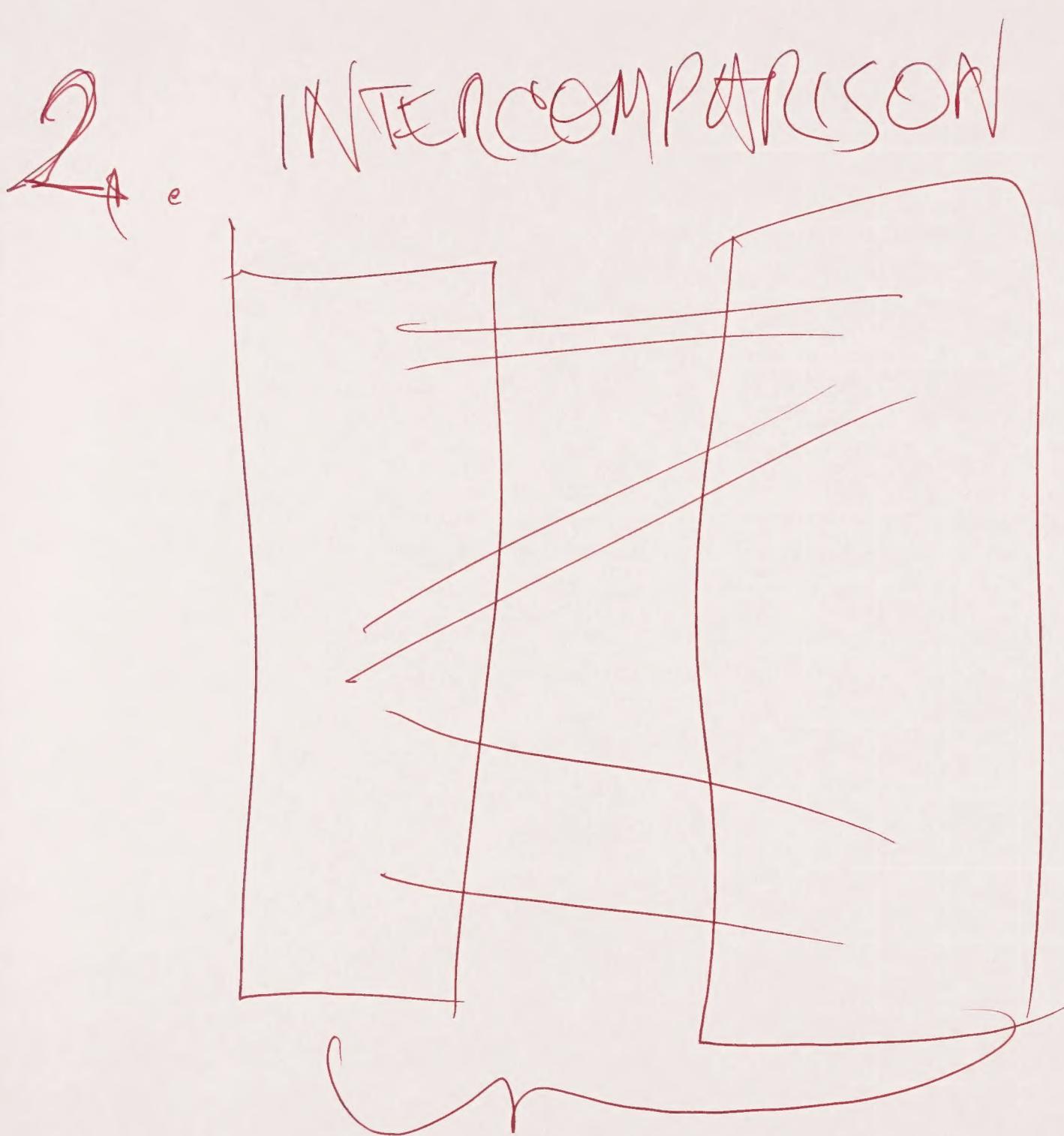
R
o
b

NOTEBOOK APPROACH: Individuals
laboratories (es Bell) \rightarrow NO BACK-
CHANGES.



APR 17 1997

8

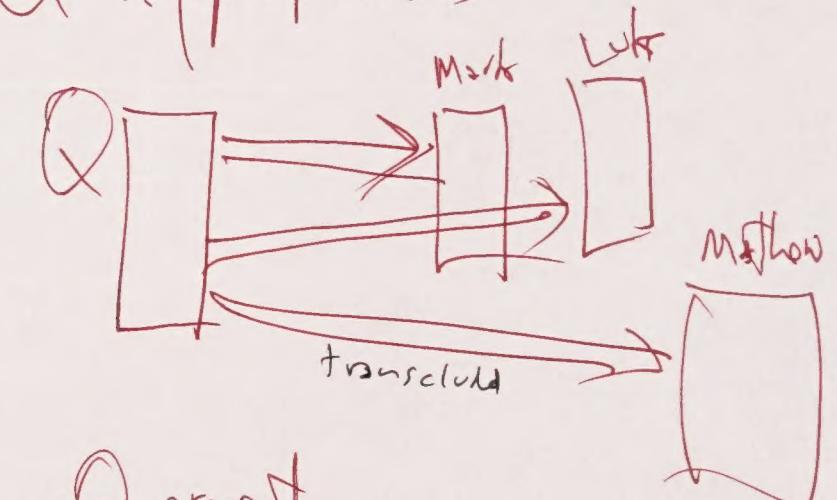


for example, The hypothetical ancient Christian text called

"Q."

Luke }
Matthew }
Mark }
3, books of Bk
very close
to each other.

Q hypothesis =

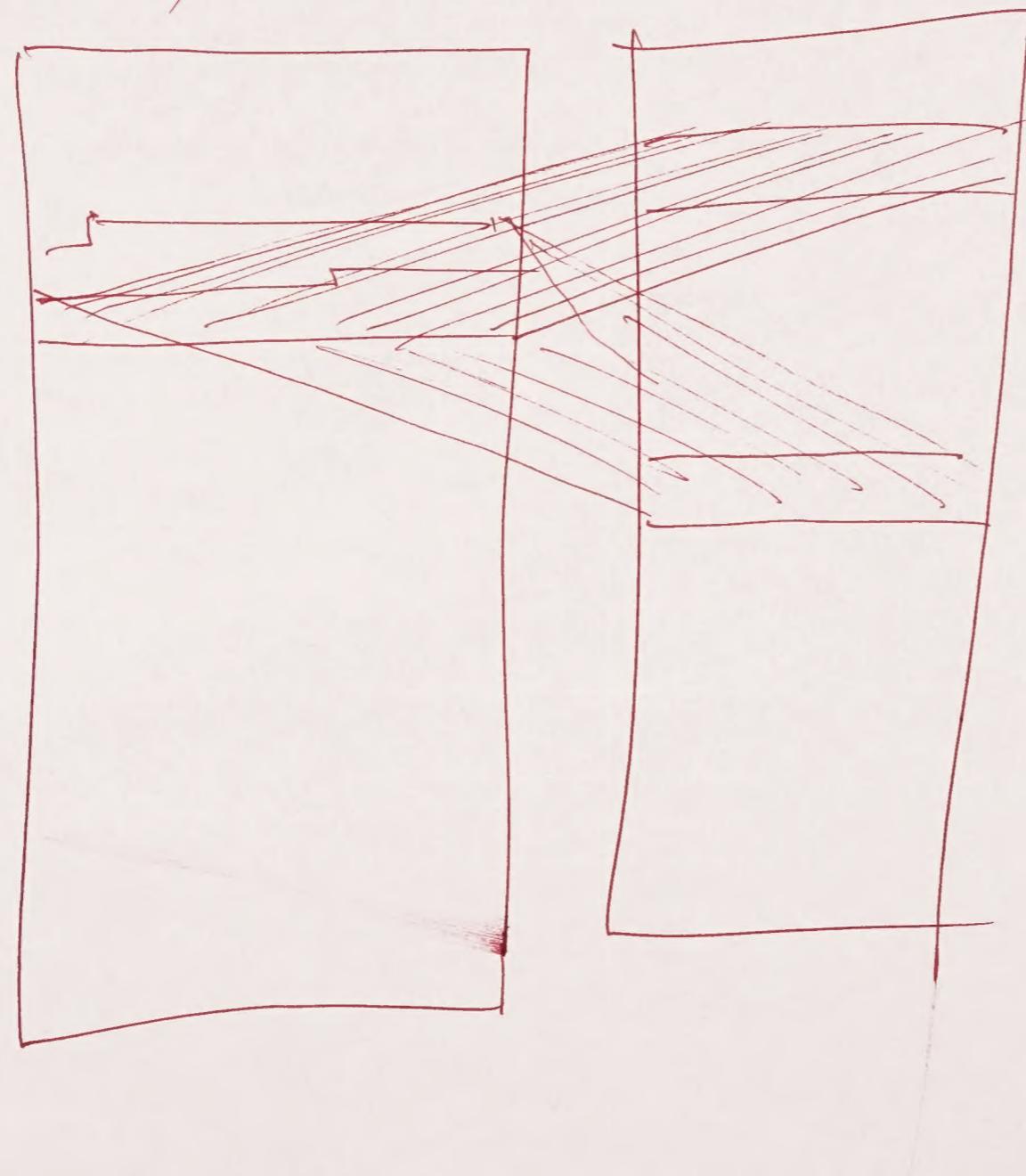


Q project
rebuild this hypothetical
document.

APR 17 1997

9

Intercompany VERSIONS.

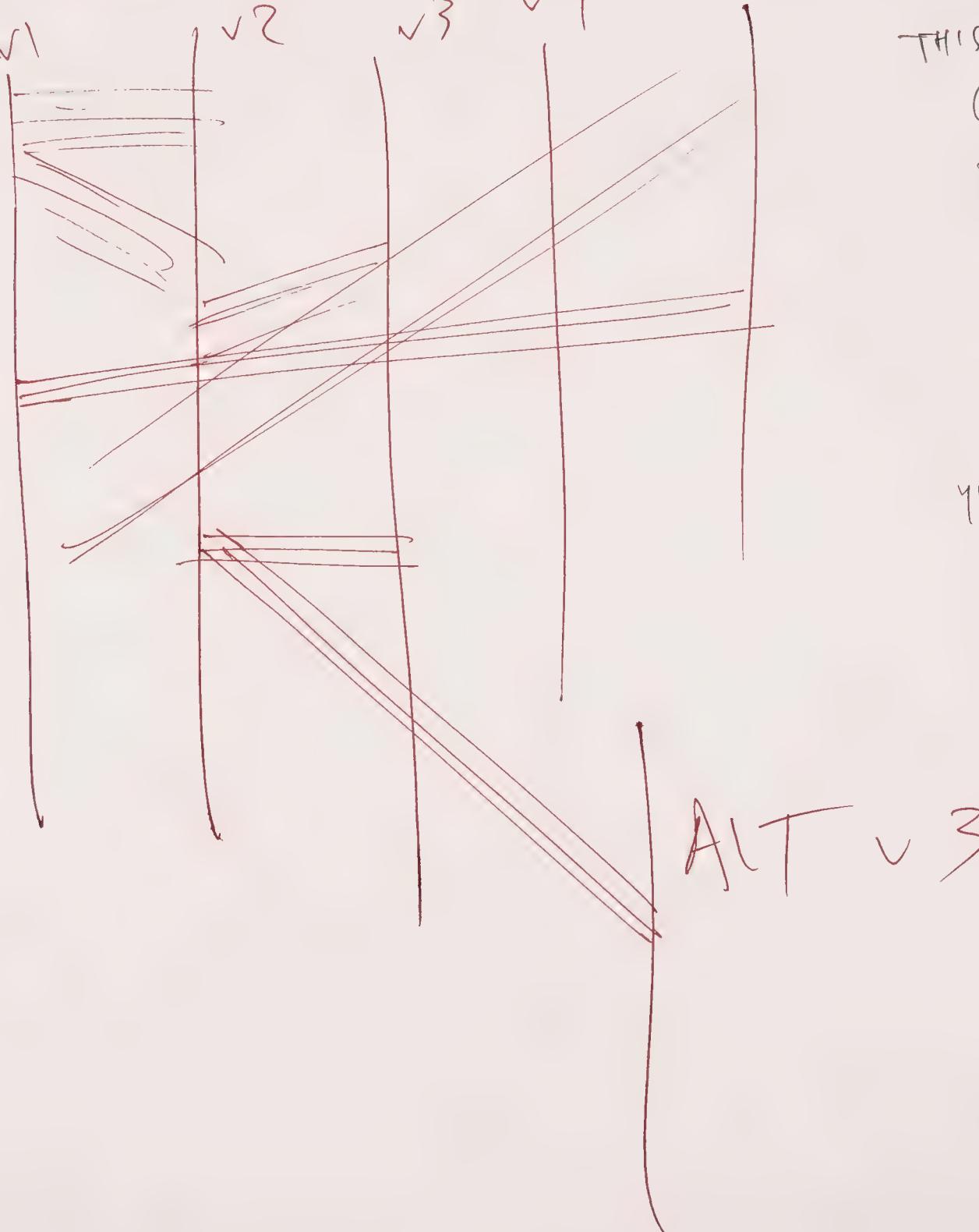


A visualization for

APR 17 1997

10

Multiple versions of linear text



THIS PICTURE

COULD BE HARD TO UNDERSTAND —

BUT =

If you compare
the relations up & down
in visibility (brighter and
darker)

you can
see the relations
you prefer to see

MULTIPLE VERSIONING

is based on

TRYING TO OPTIMIZE DESIGN

DIFFERENT VERSIONS FOR
DIFFERENT USES

TRYING TO SEE

THE WHOLE

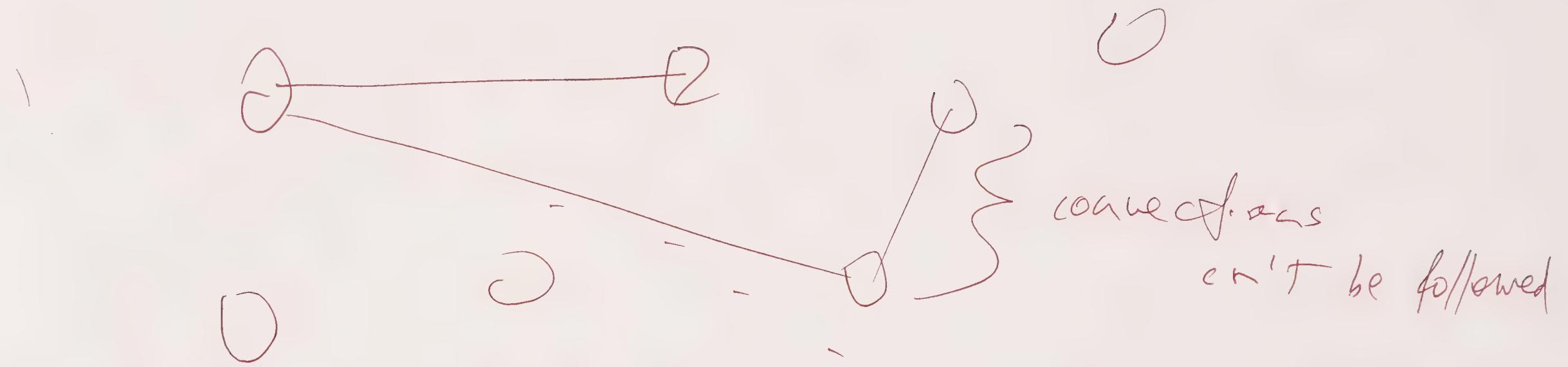
AND DETAILS

SIMULTANEOUSLY

RE-USE ACROSS PROJECTS
of some materials

APR 17 1997 12

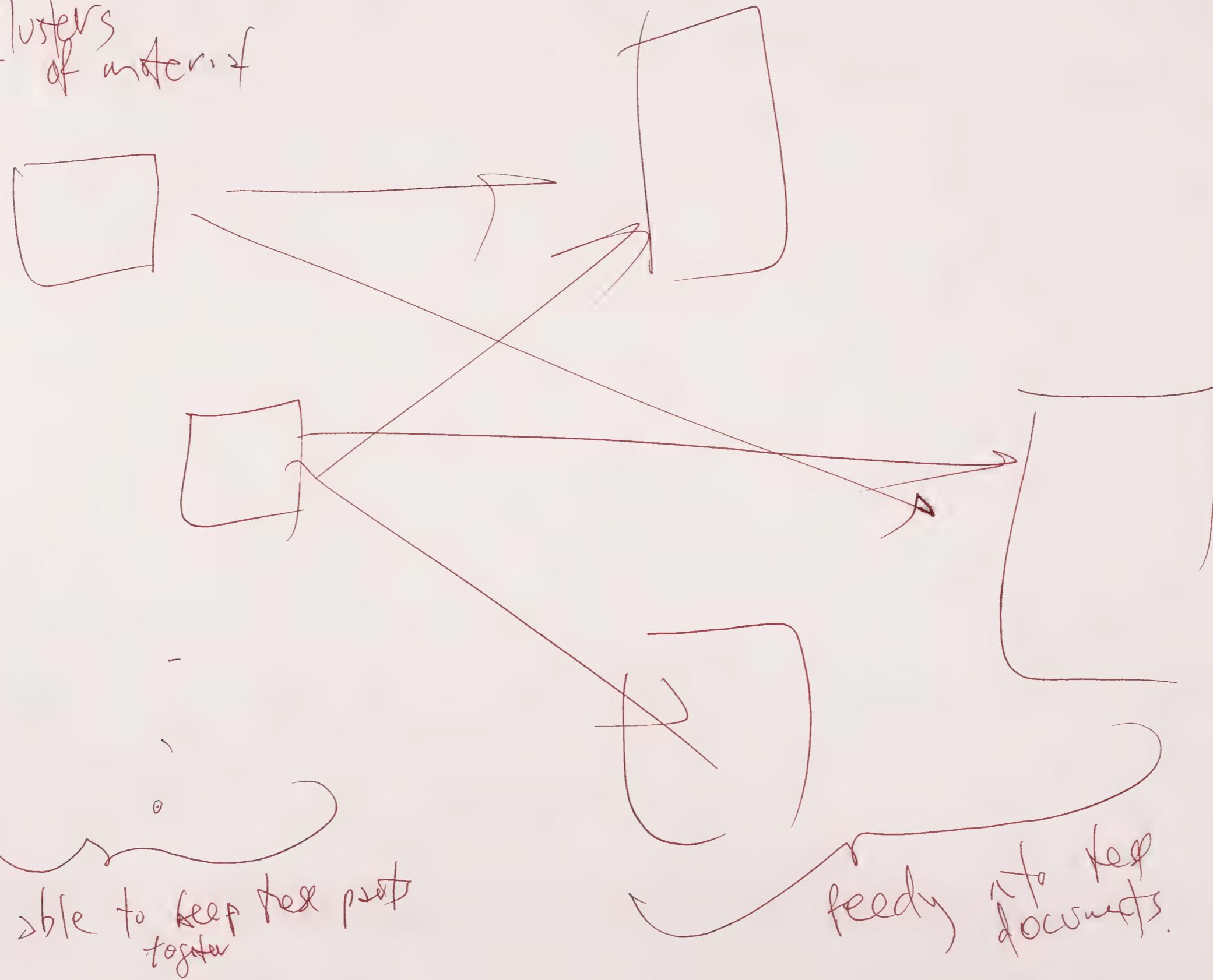
THOUGHTS^{ARE} LOST IN W P



APR 17 1997

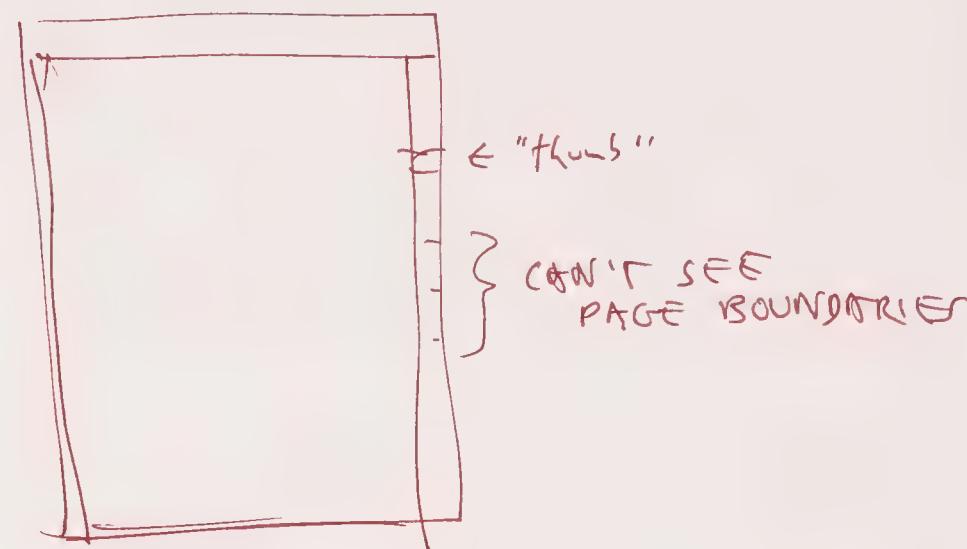
13

Clusters
of material



3. KEY VISUALIZATION: TRANSPONING WINDOWS

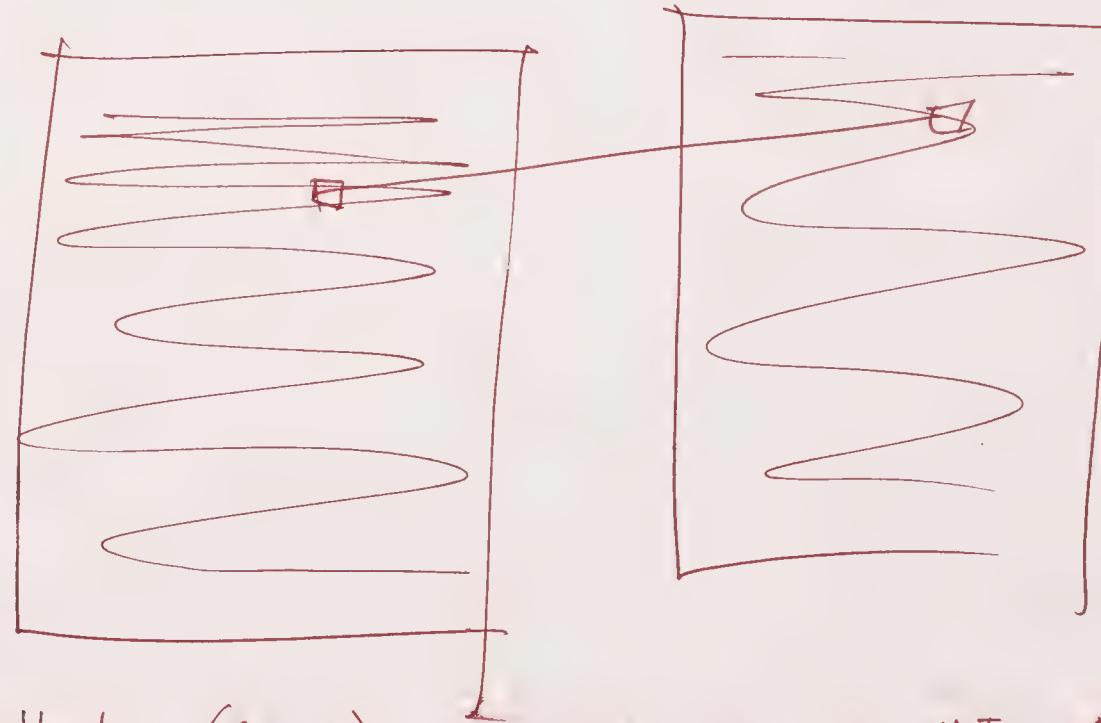
Xerox PARC window



transposing windows

~~Nelson-Windows~~

First proposed in prot by TN
about 1969?



1992?3? Professor Tolkachov (Russia) showed it to me in HYPERCARD
on the Mac.
ARRT (1997)

APR 17 1997

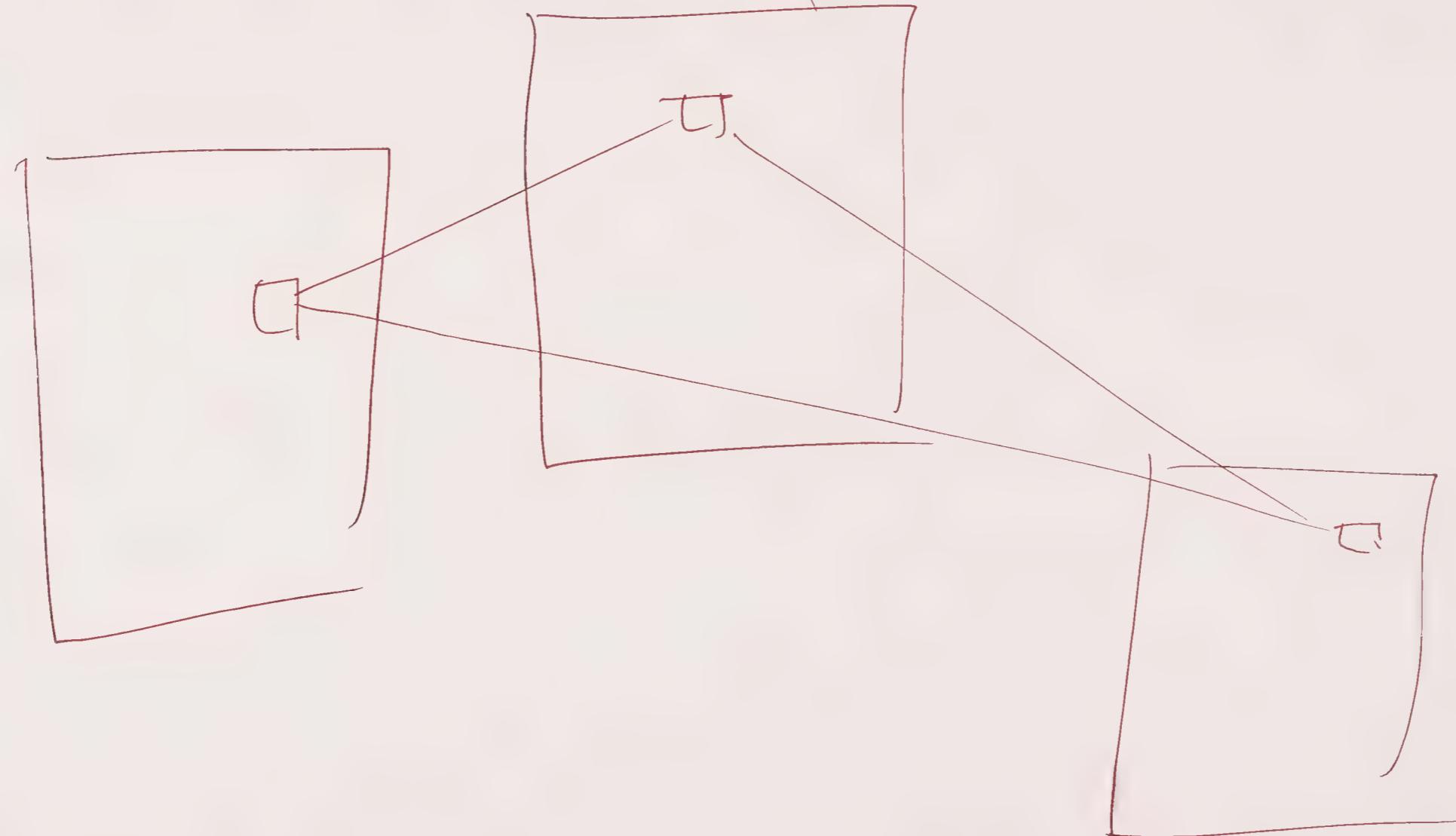
15

Finally, this has been implemented by

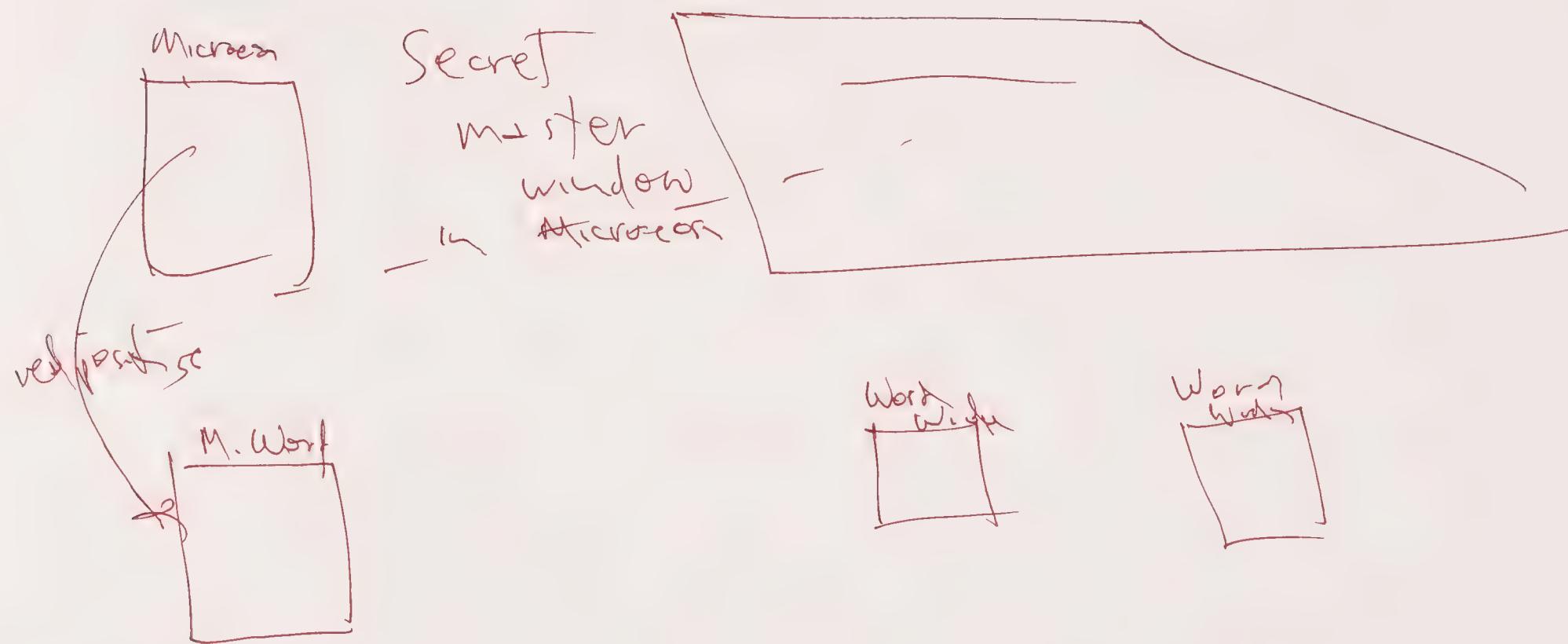
Ian Ffesth of Microcosm Project, Southampton U.

LAST WEEK-

m. word!

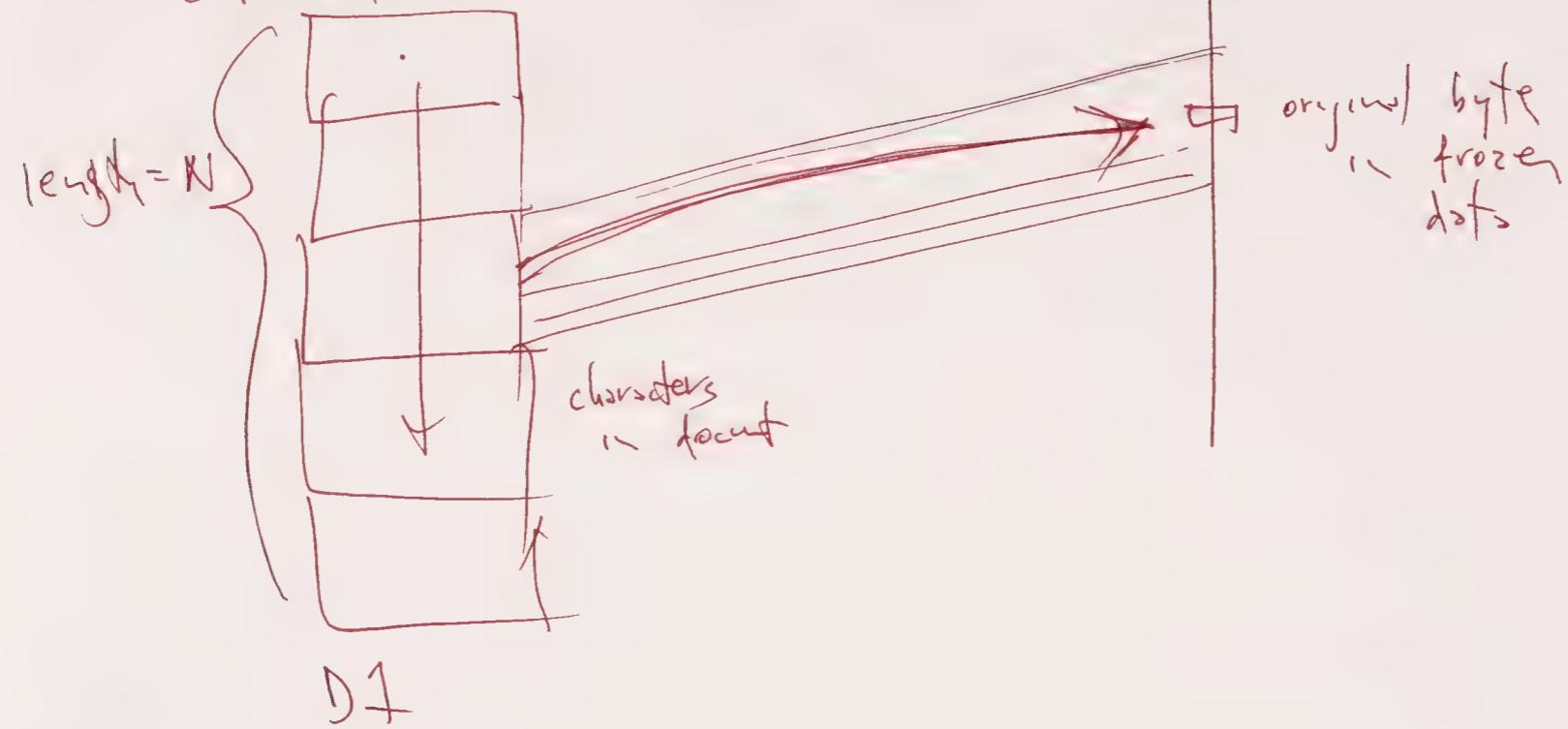


How it works —

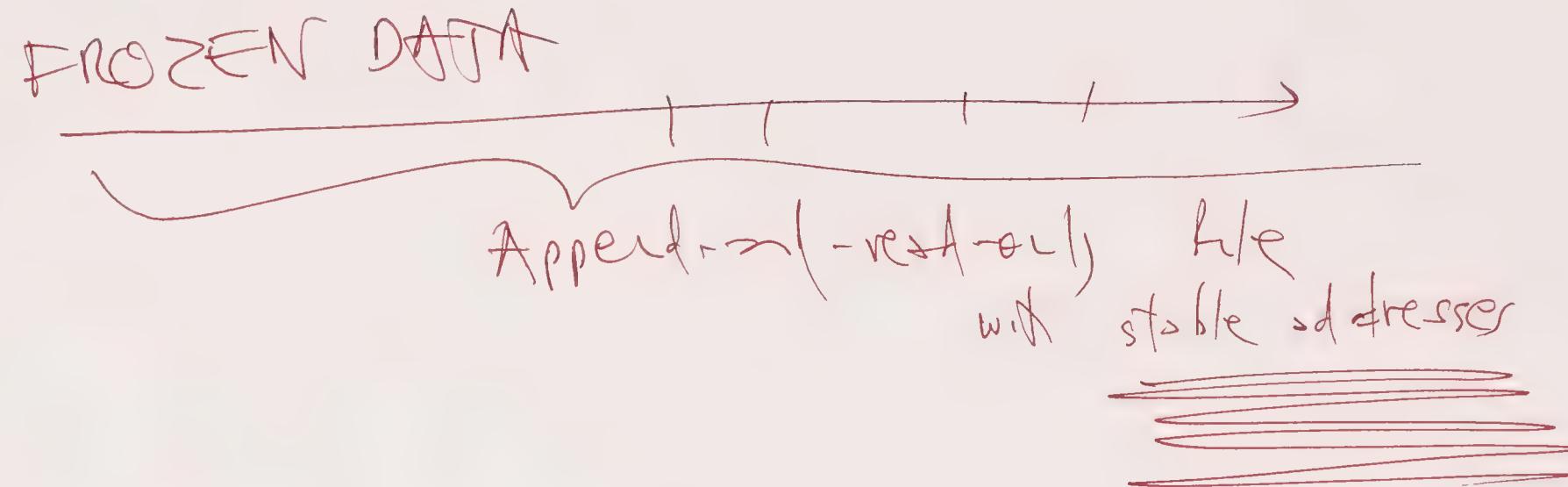


APR 17 1997

Sequential focus
let & pieces



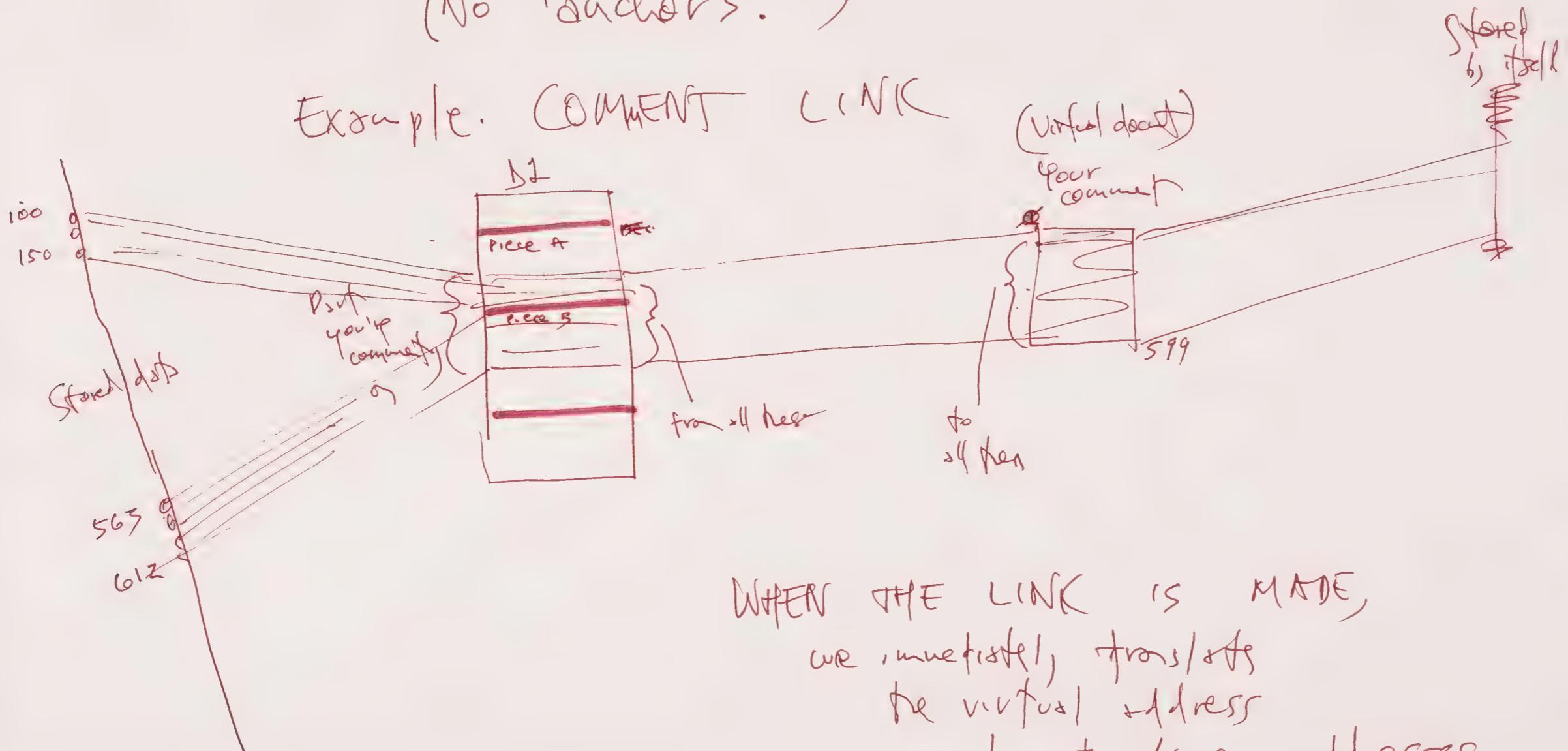
Xanadu model:



All the algorithms
are manipulators of these addresses.

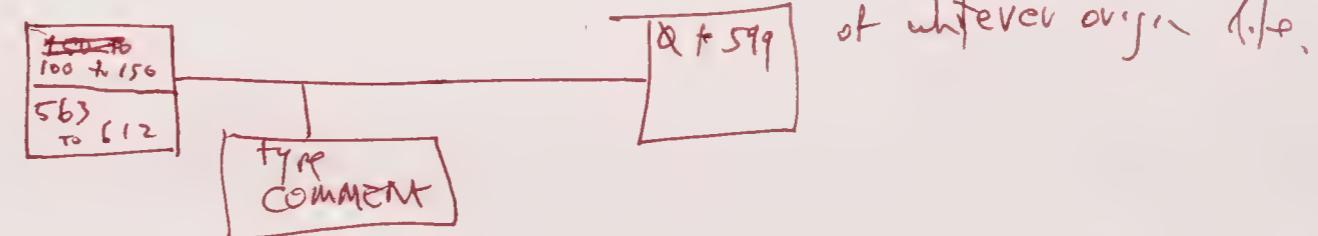
LINK IS BETWEEN N DATA ELEMENTS.
(No "anchors.")

Example. COMMENT LINK

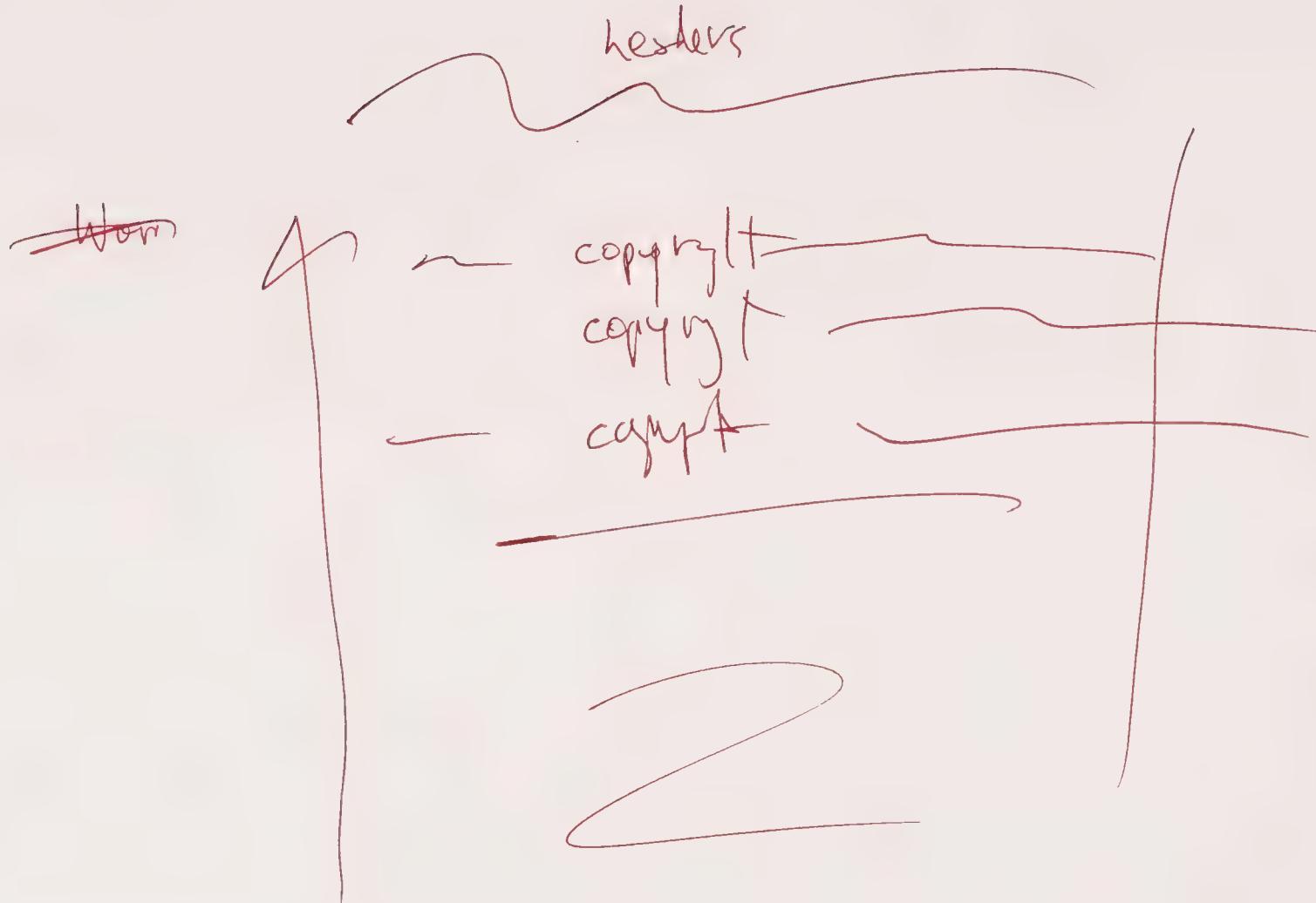


WHEN THE LINK IS MADE,
we immediately translates
the virtual address
to the frozen addresses.

Result:



APR 17 1997 20



New ways of
visualizing text =
for instance,
rapid scrolling
of messages
with some
particular word
in the same position.

OBJECTIVES:

Links & Inclusions for simple text documents
 NO FONTS.
 ESP EMAIL.

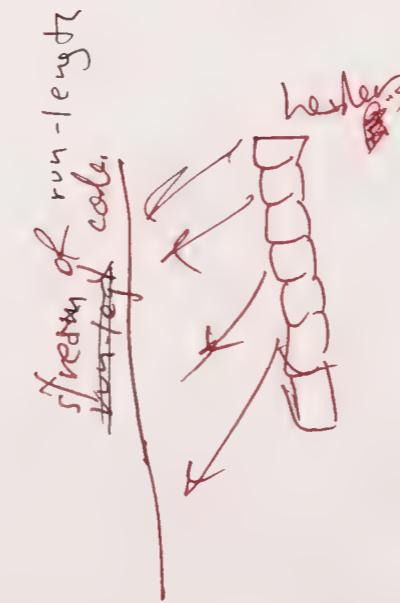
2. Extend the some algorithms to AUDIO.



(3. Fix.)



parallel format



Desirable

APR 17 1997

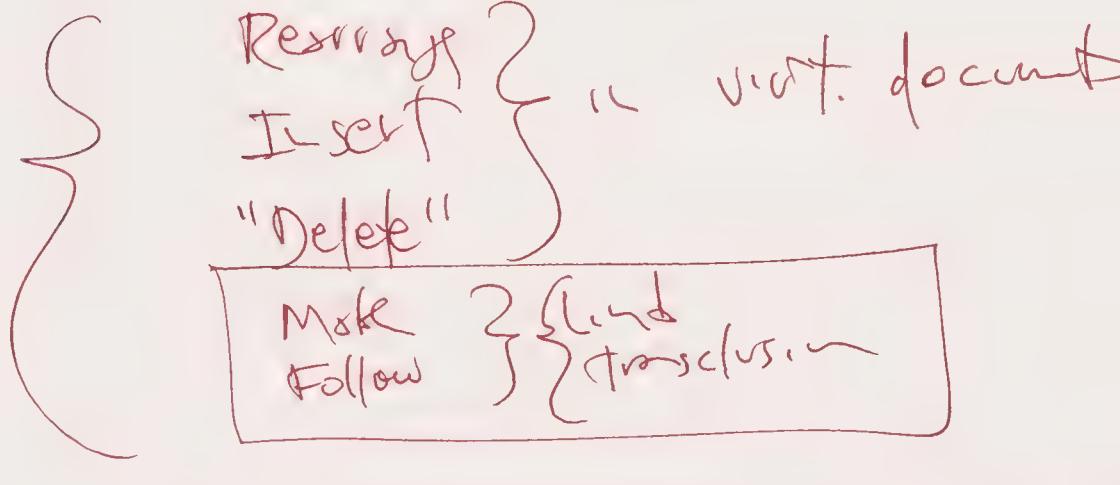
22

PROSPECTS of our workshop-

Prep take data and put in a strong format.

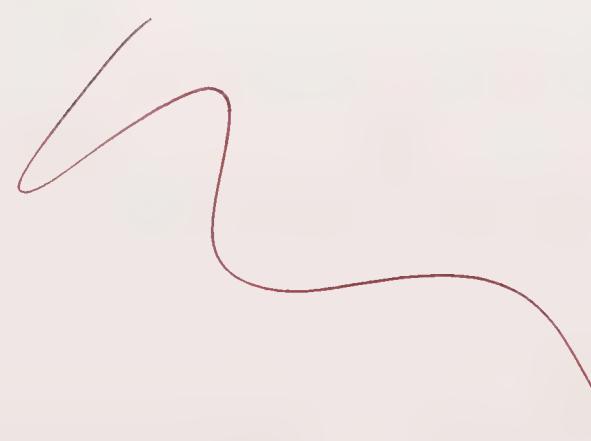
FILE
etc
format of emails
of cocent
in chronological
order
THROW OUT DUPLICATES

Central



Some visualiz of →

Extras



HTML Compiler

Hypertext search

Translating text versions from other software into OSMIC.

TN

Get rid of old
storage & presentations

+

Go to
PURE
STRUCTURE
OF IDEAS

IGNORE ALL
PRECEDENT

PALC

Map all information
to ancient
information
packager:

cork
folders

icons
etc.

APR 17 1997

24

Paper is where you put an idea
to consider it.

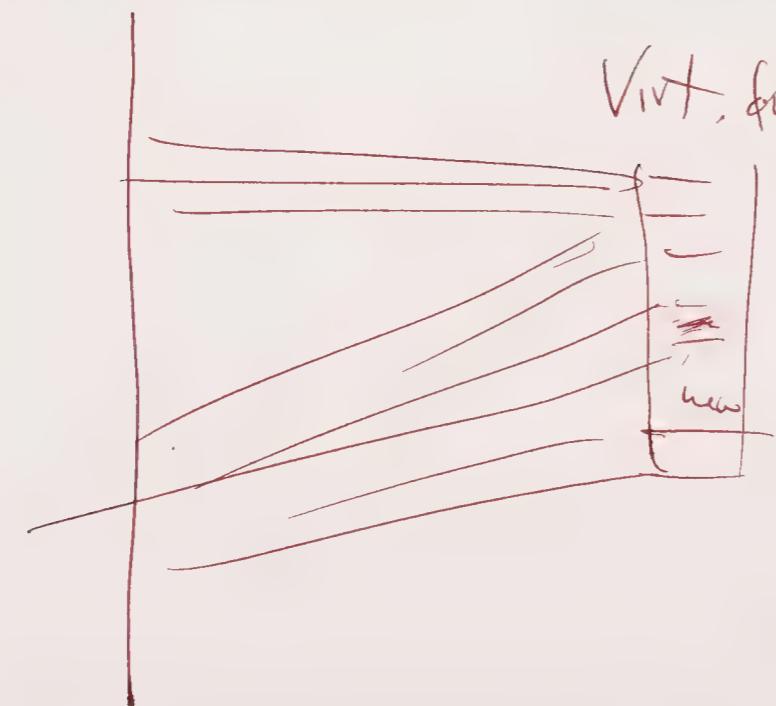
+
Better & richer
in paper:
better & richer expression of ideas.

I believe the pure structure of text should be

VIRTUAL DOCUMENTS WITH SIDeways ACCESS

that scroll
to original contexts
and to other versions.

from



Ordinary



OUR E-MAIL ADDRESSES =

t95129ku@sfc.keio.ac.jp
Kei'ichi Unno.

baseball@sfc.wide.ad.jp

Shu Nakamae

Also = Kei Kawai kevo@sfc.wide.ad.jp

Ted Nelson ted@xanadu.net

Yukihiko Yoshida t93502yy@sfc.keio.ac.jp

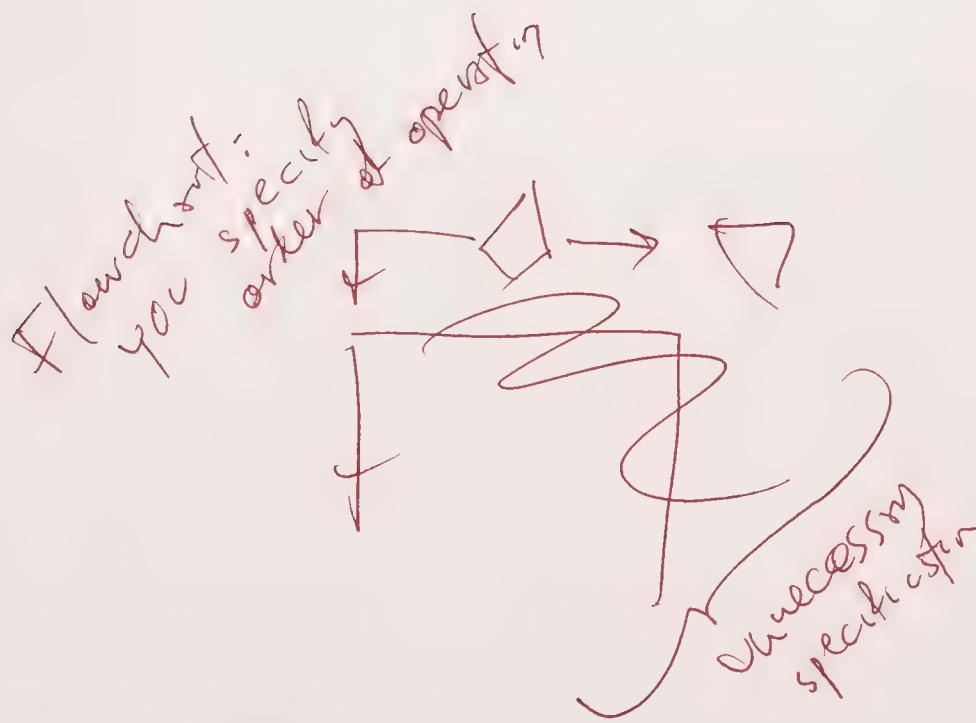
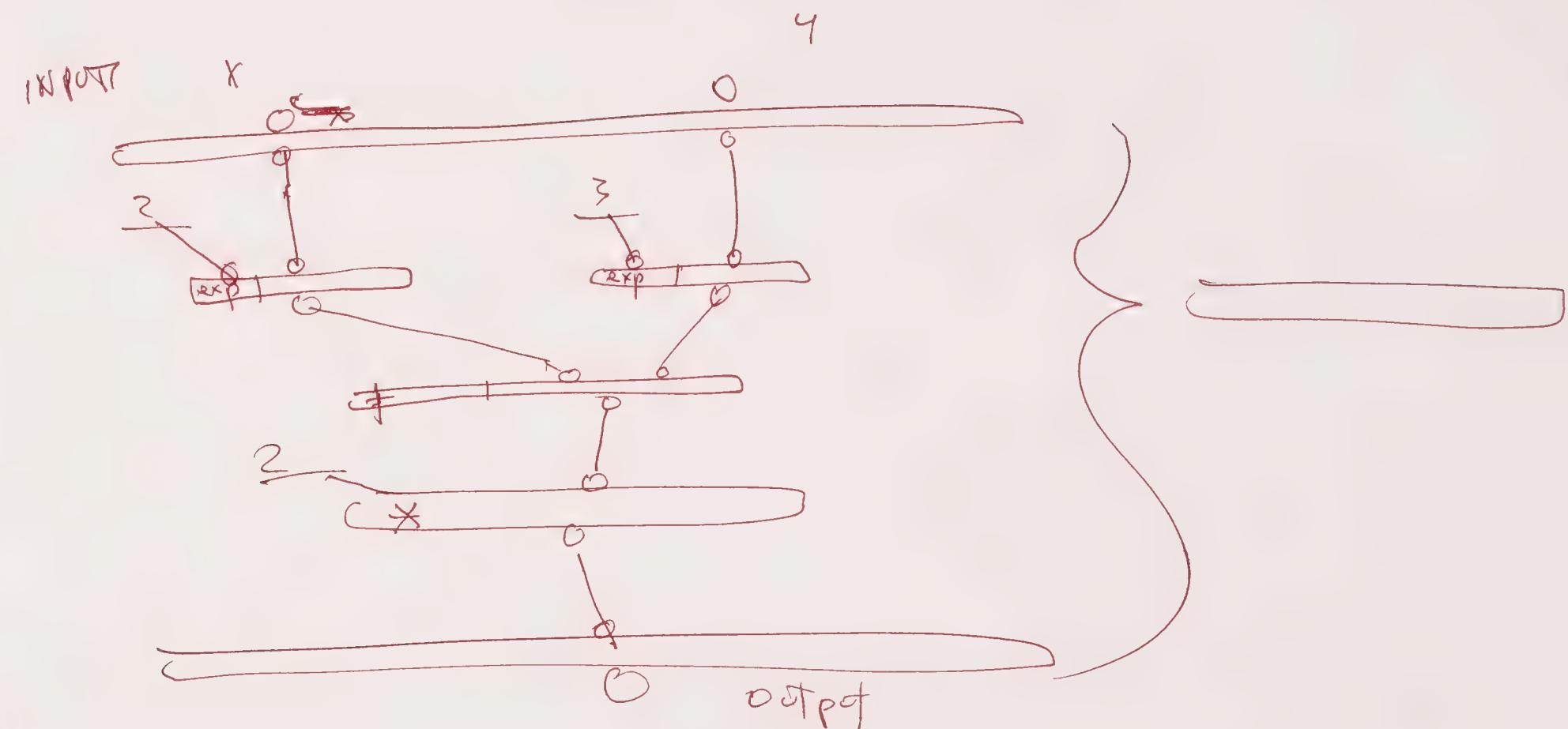
APR 17 1997

27

MISCELLANEOUS DISCUSSIONS -

Program: GRAPHIC DATAFLOW LANGUAGE.

$$2(x^2 + y^3)$$



Erdős numbers:

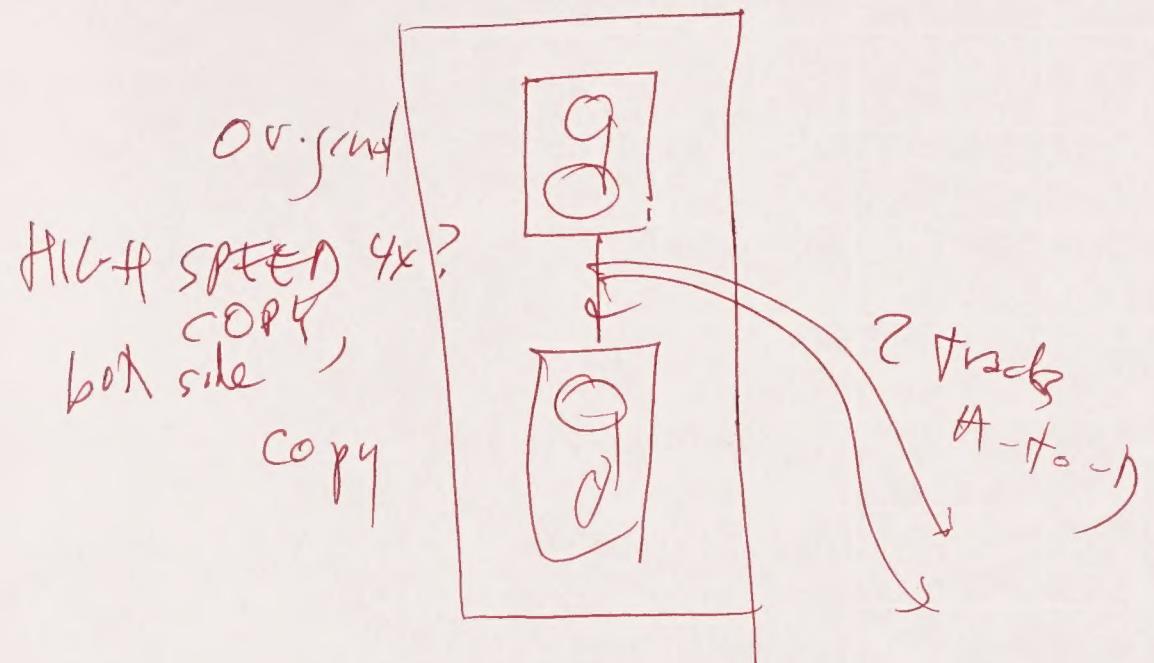
- 0 if you are Erdős.
- 1 if you have collaborated with Erdős.
- 2 if you " " " with a Erdős!
- .
- .
- .

Kevin Bacon numbers

- 0 if you're Kevin Bacon
- 1 if you've been in a movie with Kevin Bacon
- 2 if " " " " " with a KB & etc.

APR 17 1997 30

HOW I HOPE TO DIGITIZE MY AUDIOTAPES —



STEREO
requires
exact
phase

APR 17 1997

31

"The Wmior"
1860

1860



420 feet

~~550~~

~~350~~
140 meters

~~2061111*~~

[Where "The Warrior" patrolled]

APR 17 1997

32

