

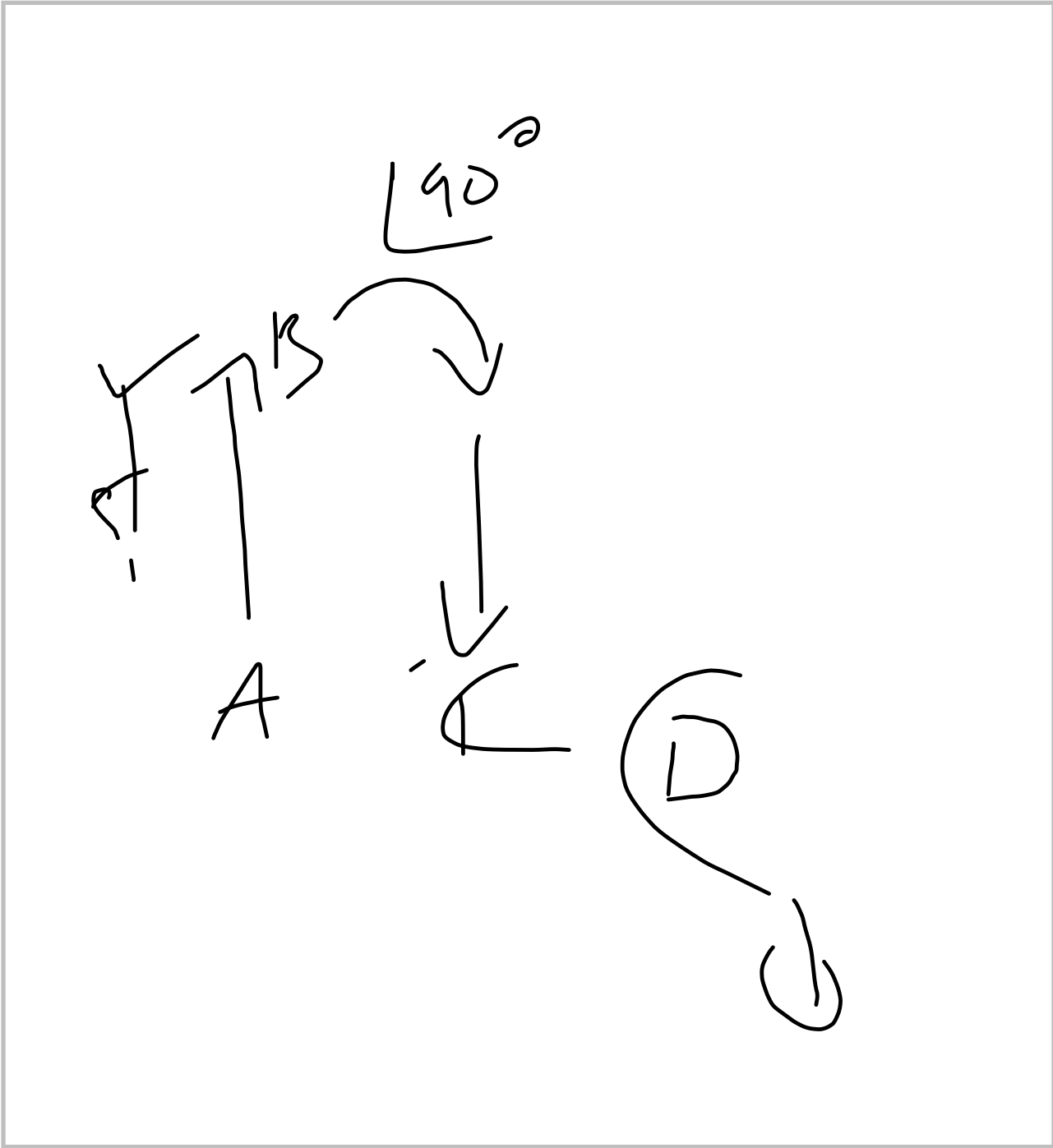
Chapter 3

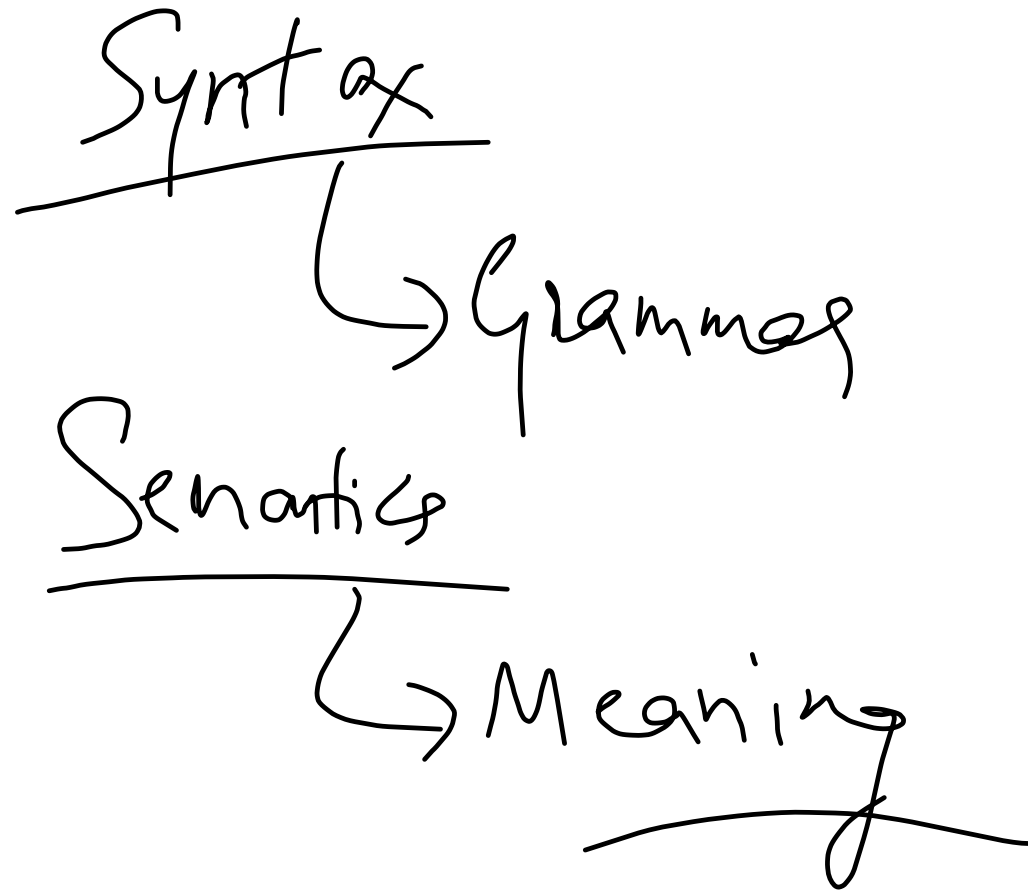
Computing System Fundamentals

Lang. Translators

HLL → MLL
C++; 01011001
java .class

- ① Compilers
- ② Interpreters.





FORTRAN

COBOL

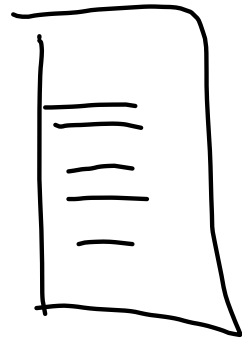
ALGOL \Rightarrow C

BCPL

C
SPL

C++

OOPL



BASIC

MOV A, B

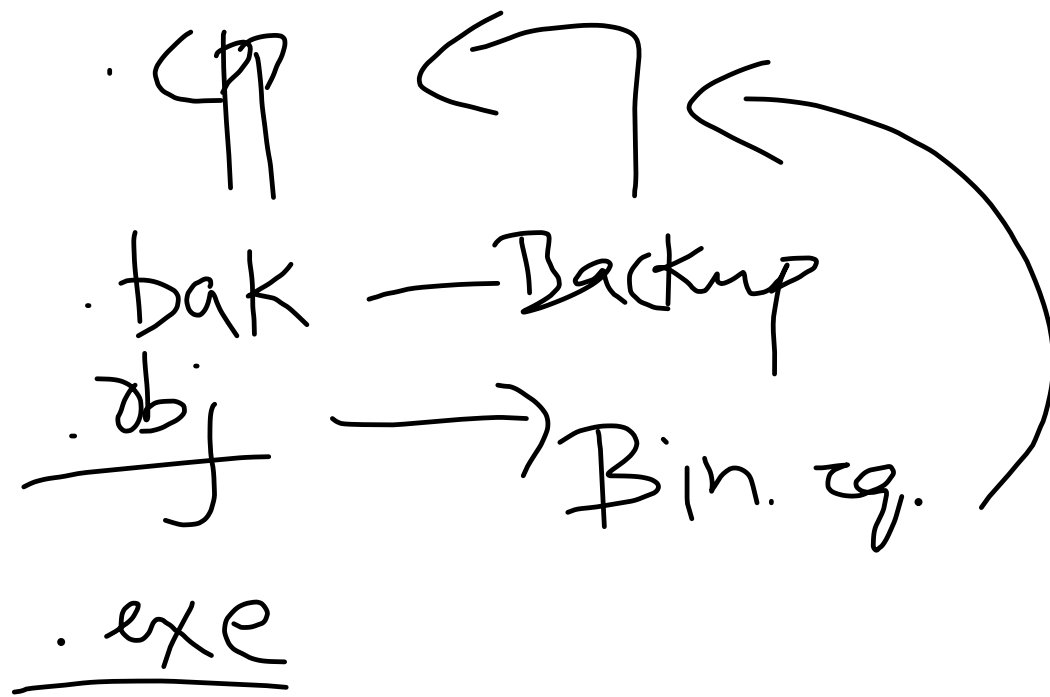
ADD C

CPY A, MEMA

SS

(UN
##

SS
(#



DIRECT EXECUTION

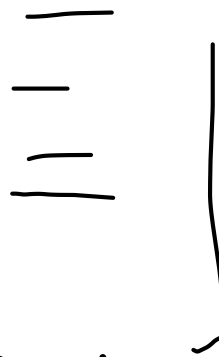
→ program/script/EXE

S/W Development
environment

IDE.

a.java

C:\> javac a.java

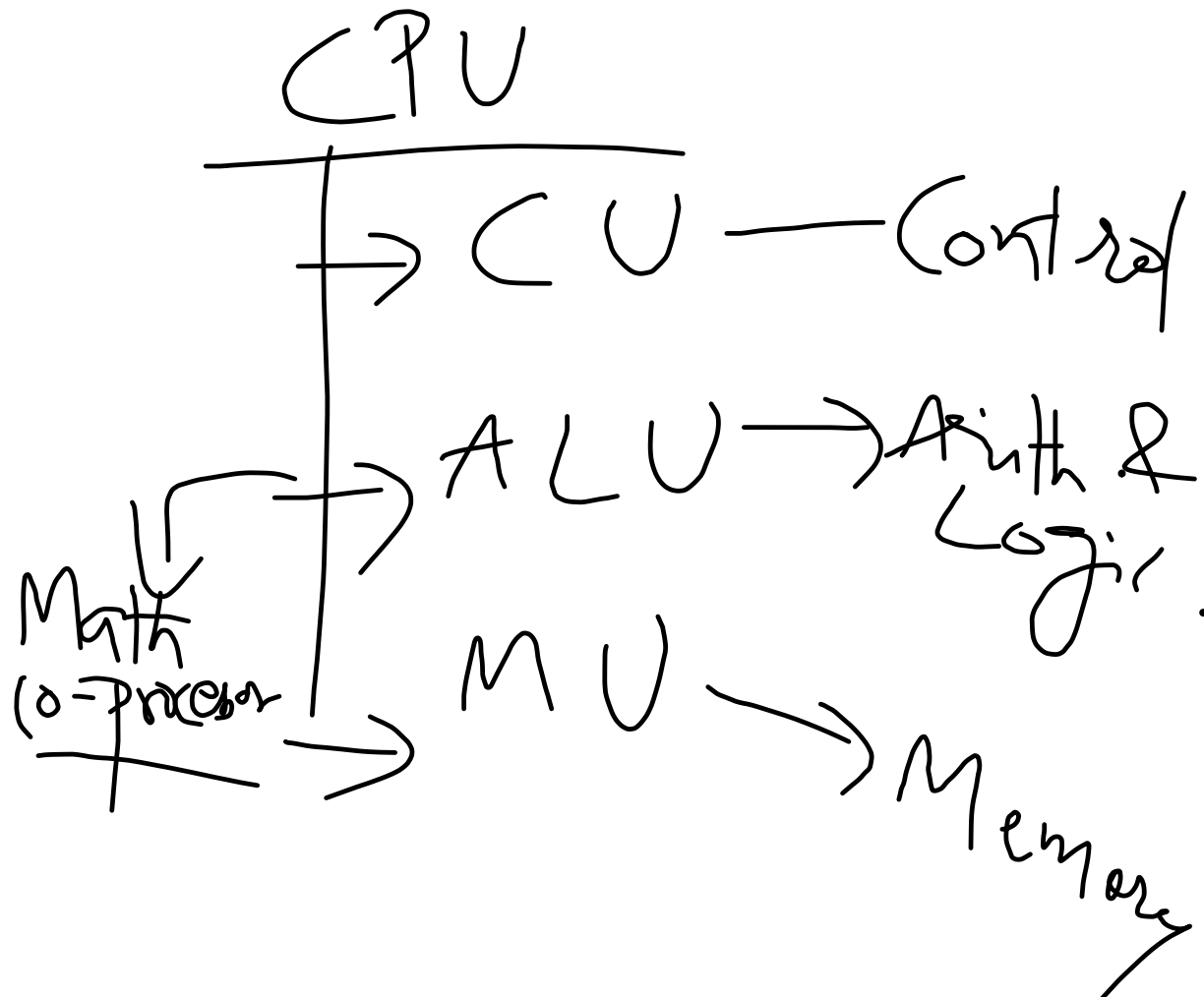


C:\> java a

C:\> PATH

C:\> SET PATH

3.2 Comp. Architecture



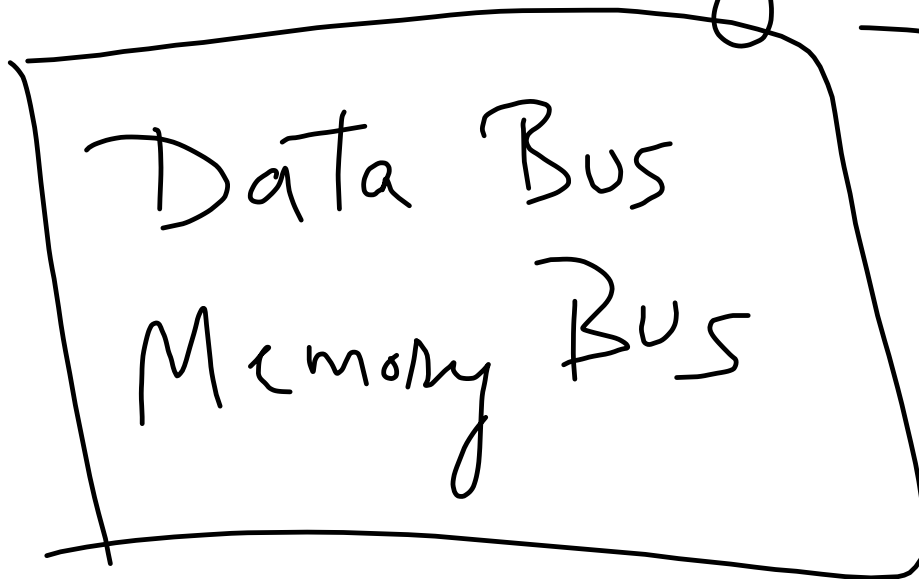
BUS

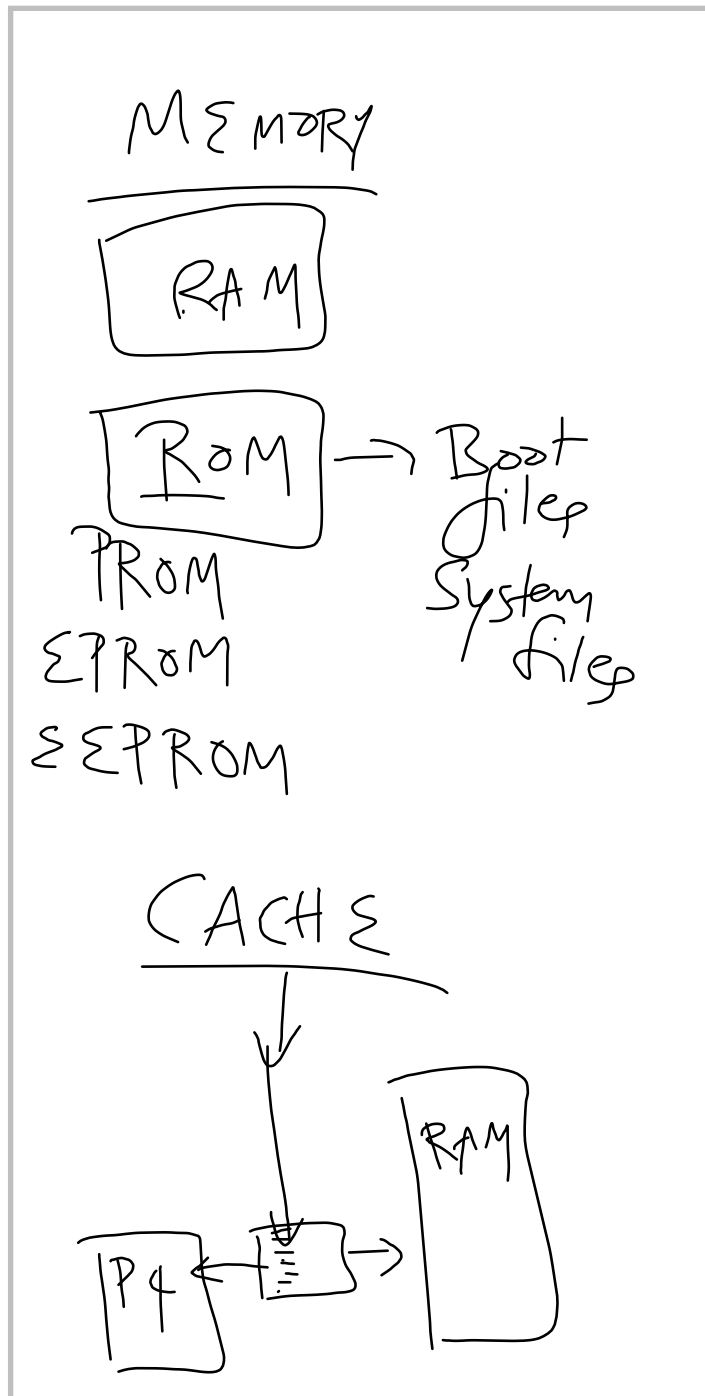


connection

of

wires





BIT/BYTE

8 bits — 1 byte

1024 bytes — 1 KB

— KB — 1 MB

— MB — 1 GB

— GB — 1 TB

— TB — 1 PB.

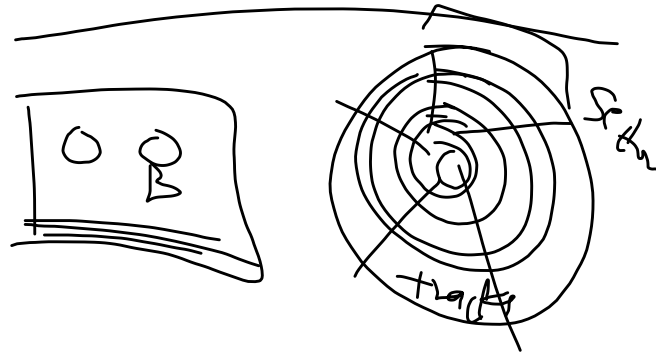
WORD

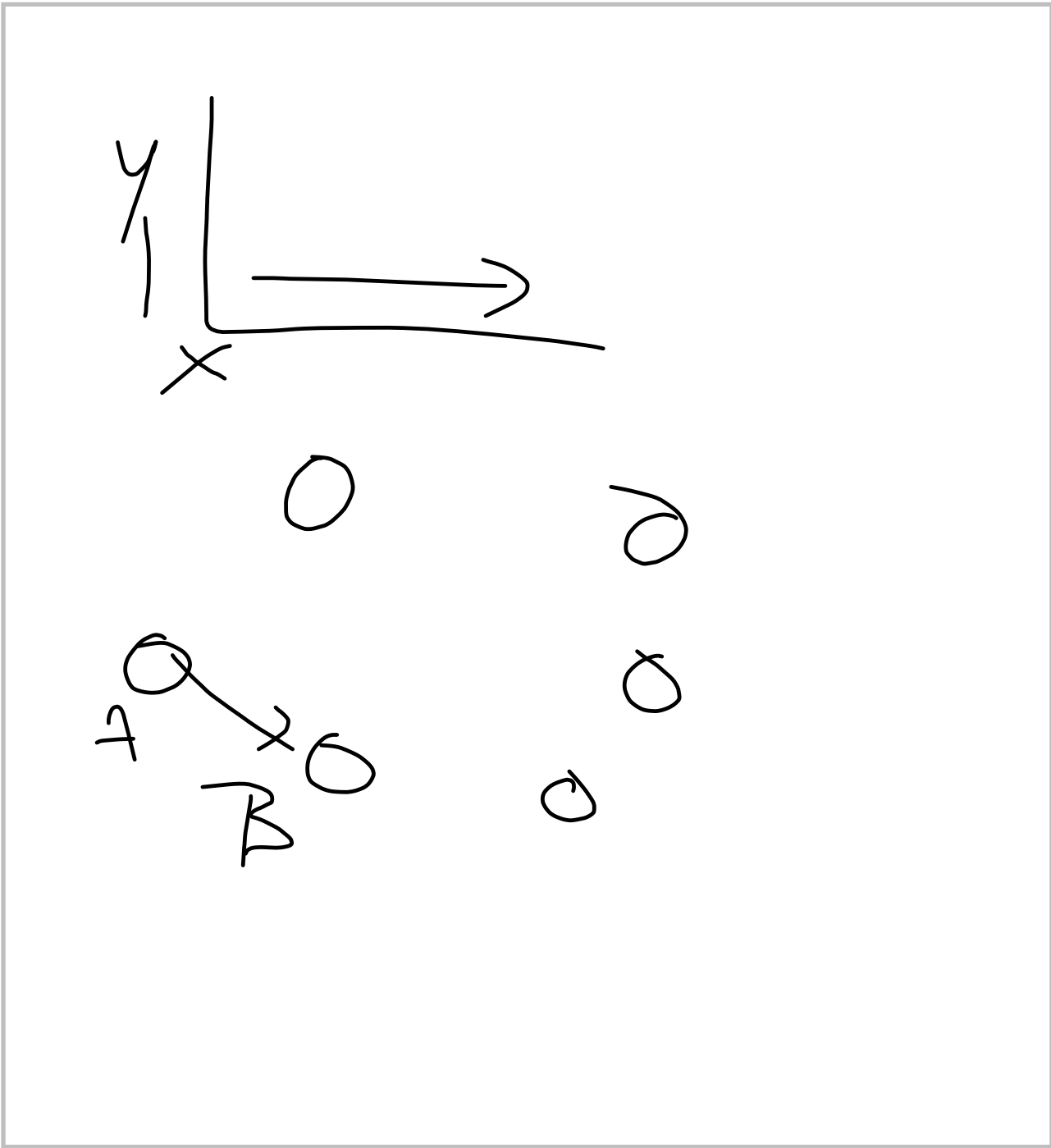
REGISTER

ADDRESS

Sequential Access

Random/Direct Access





2 hours

Paper 1

Section A

12-13

Section B

① -

②

③

Paper 2

③ questions

ACTION
VERBS