

Topic of Discussion:

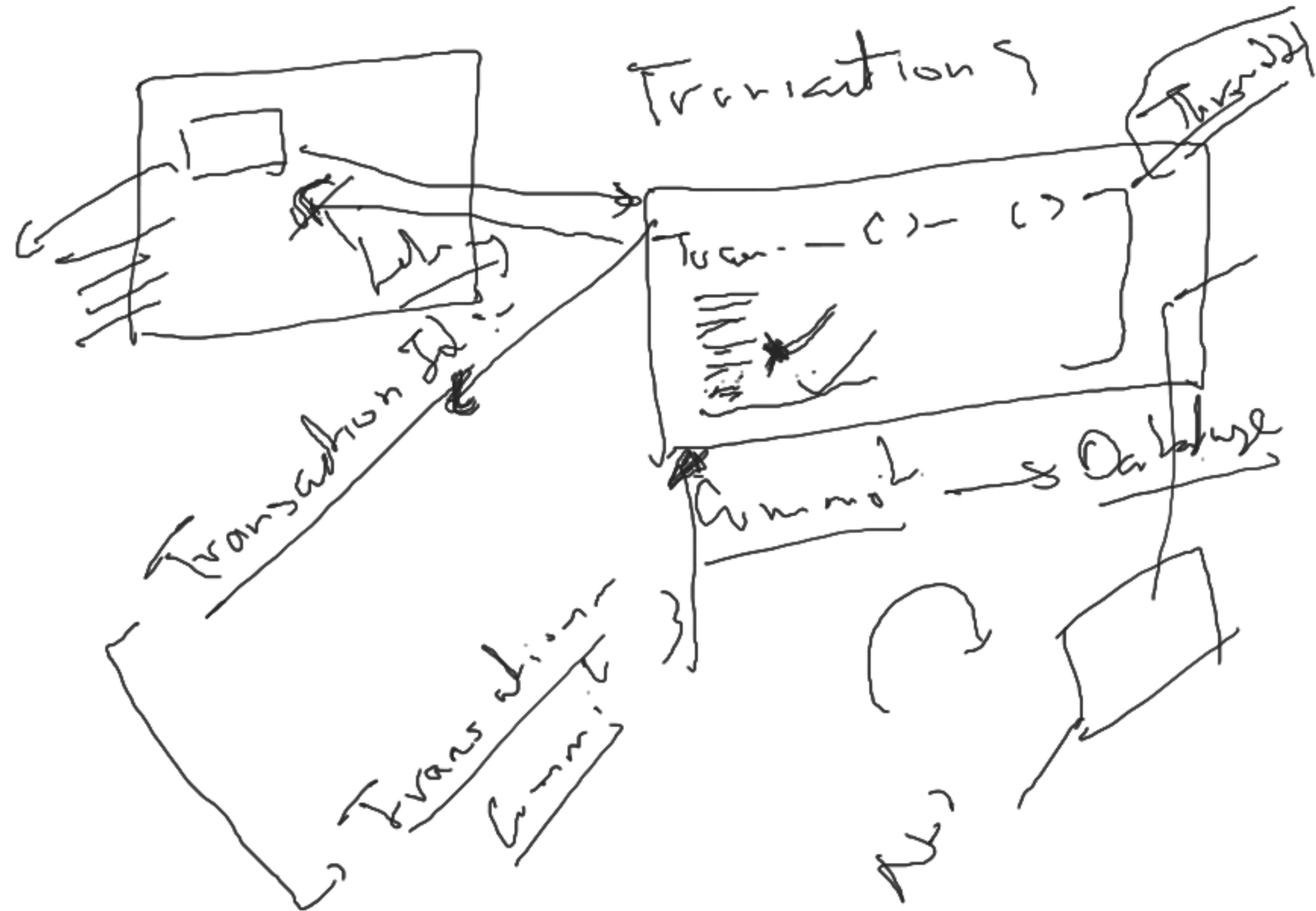
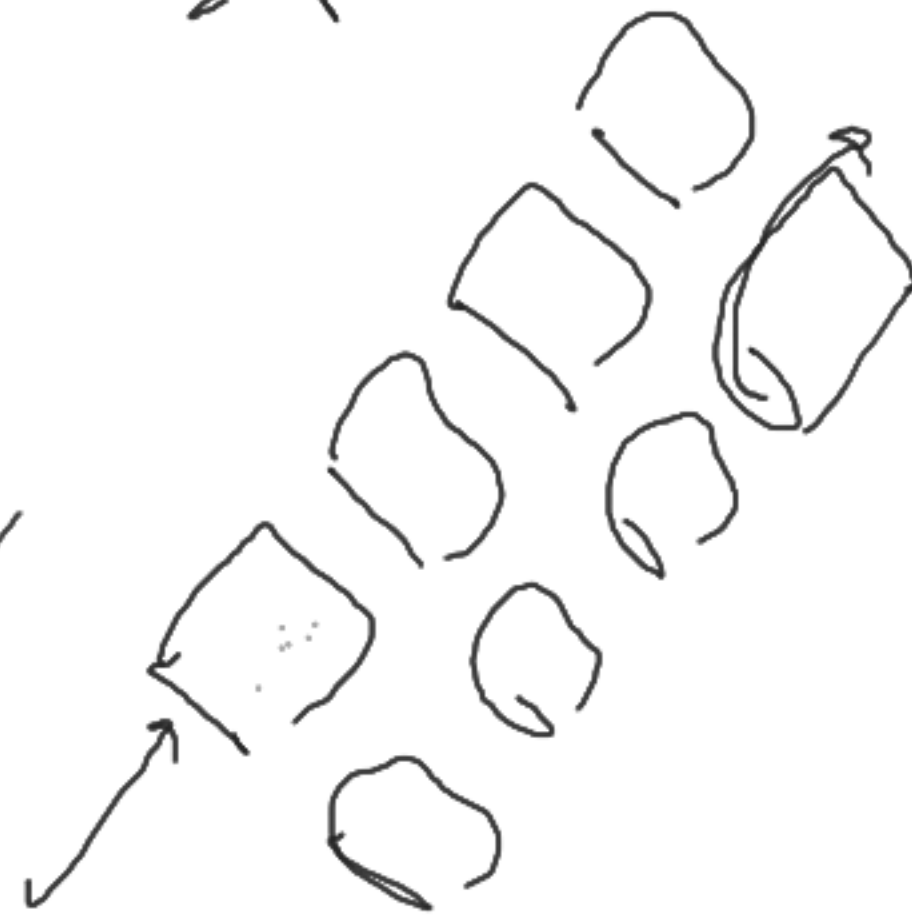
- ✓ ① WAL (Write Ahead Log)
- ✓ ② Segmented Logs
- ✓ ③ High Water Mark.
- ✓ ④ HeartBeat
- ✓ ⑤ Gossip Protocol
- ✓ ⑥ Split Brain.

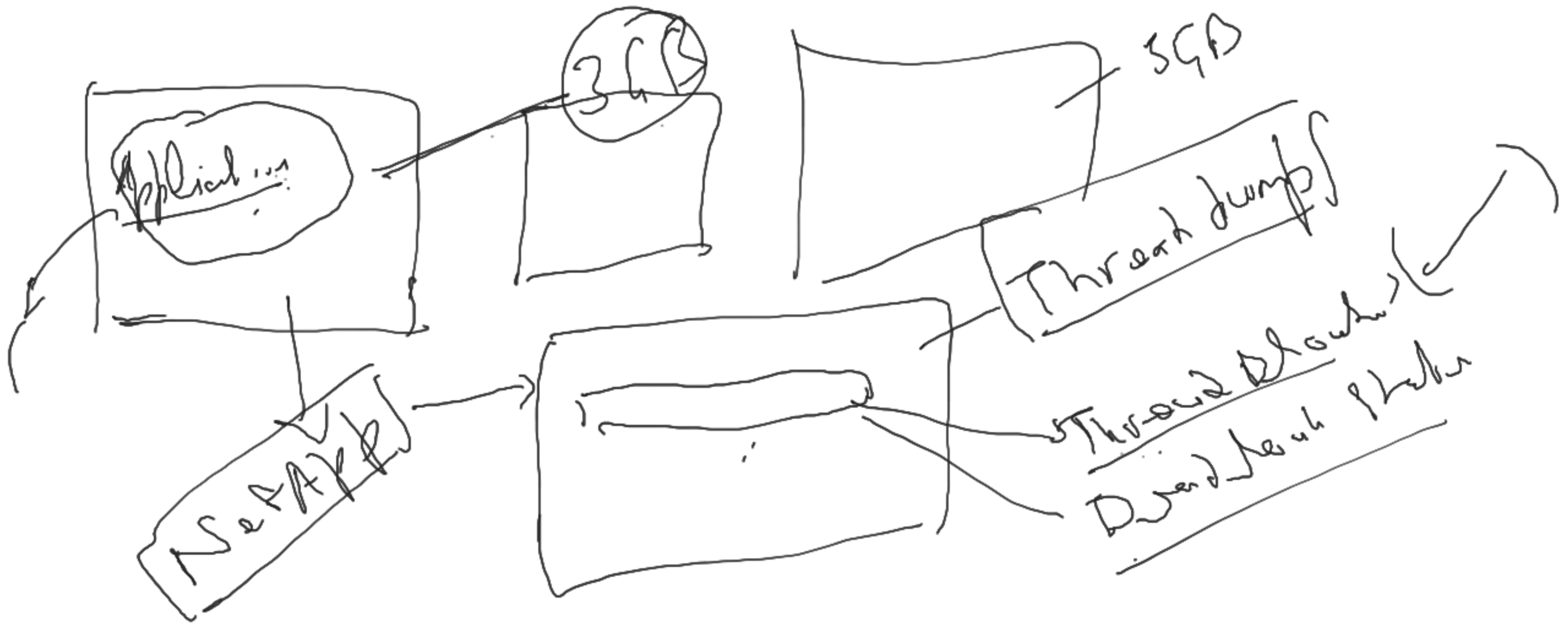
- ✓ ⑦ Fencing
- ✓ ⑧ Check Sum
- ✓ ⑨ Bloom Filters
- ✓ ⑩ Phi Accused Failure Detection.
- ✓ ⑪ Netflix System Design.

(WAL)
Write Ahead Log:

Application:

Kafka





~~Segmented by:~~

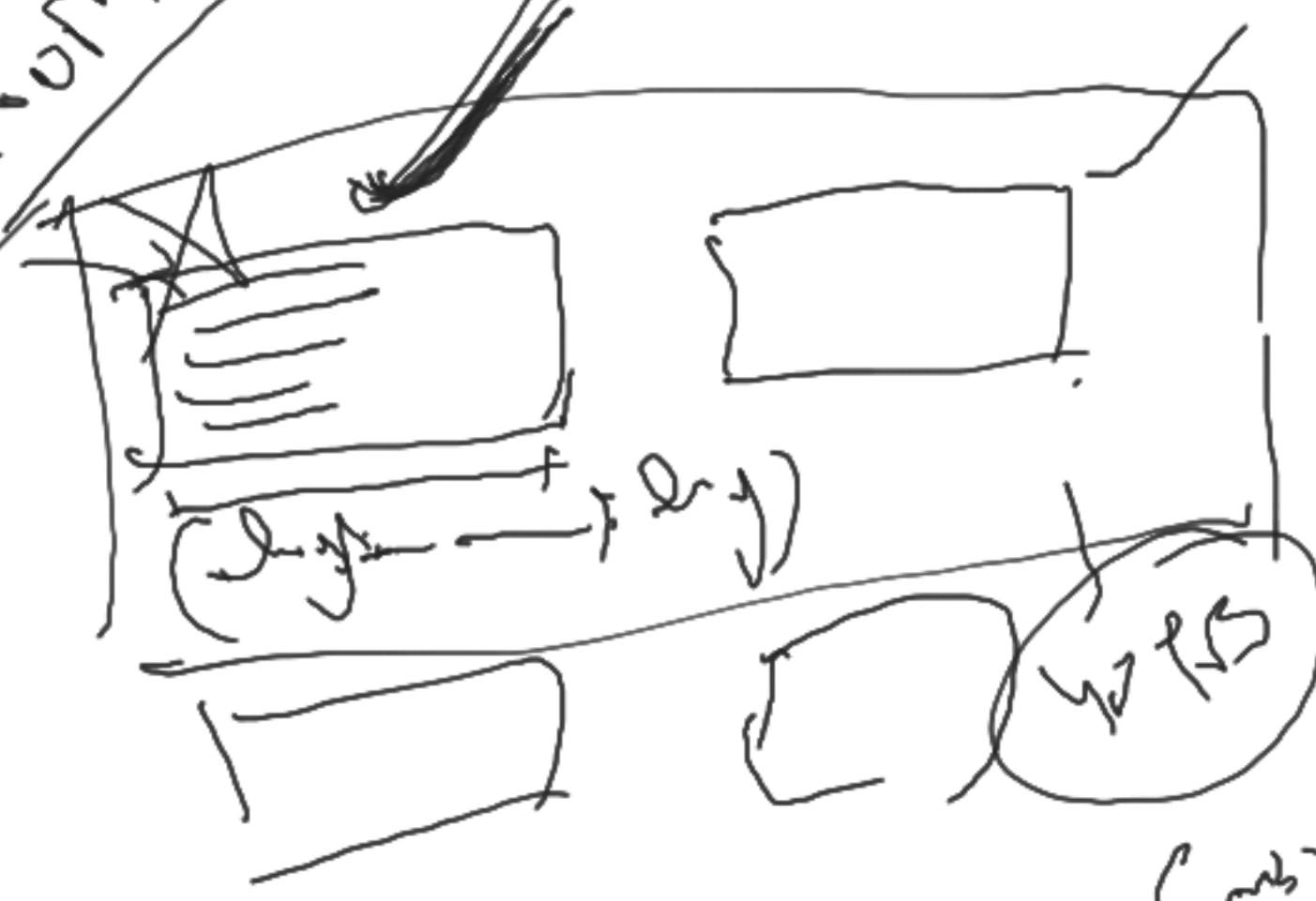
(S, Z) Time

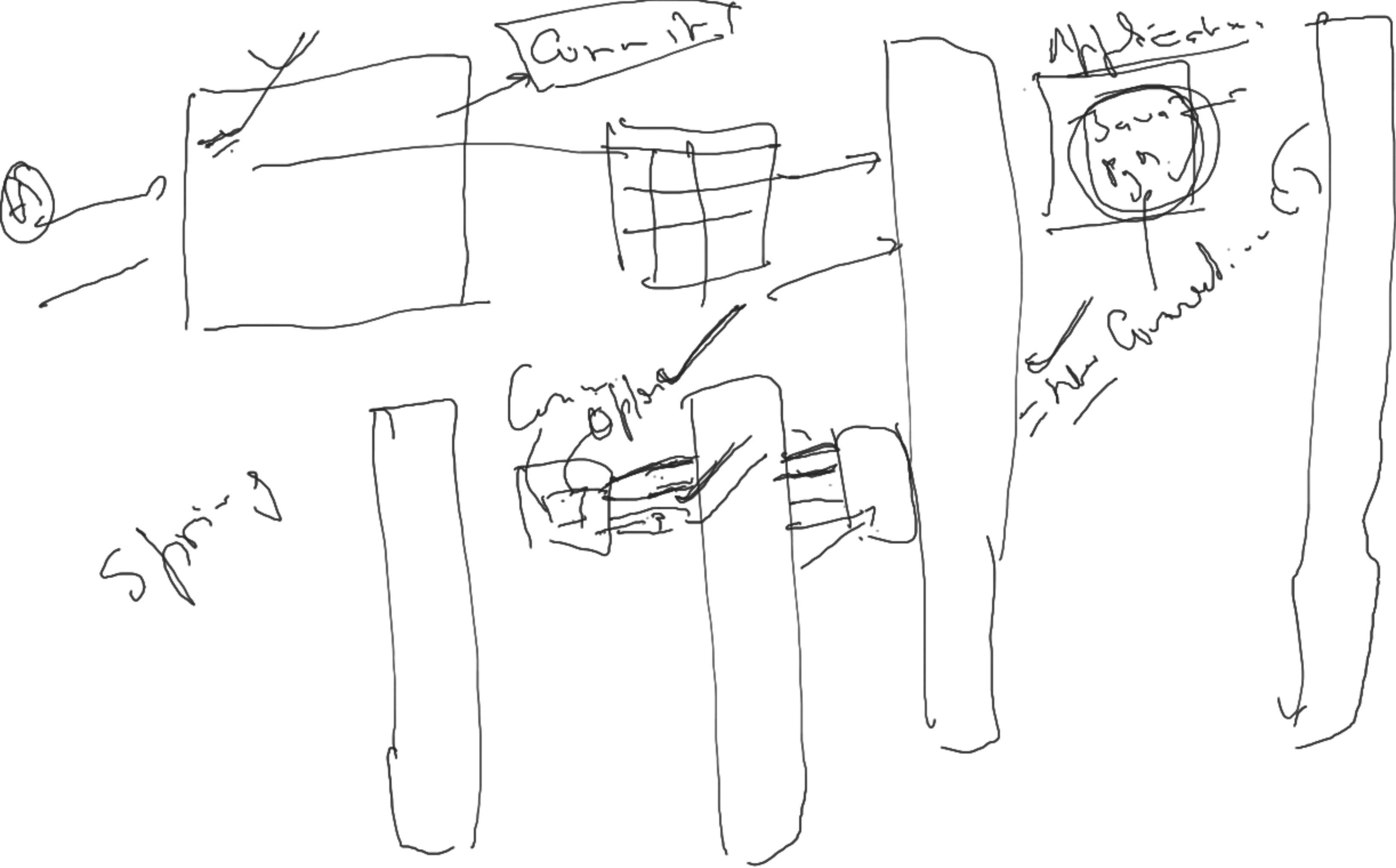
~~Size - 40MB~~

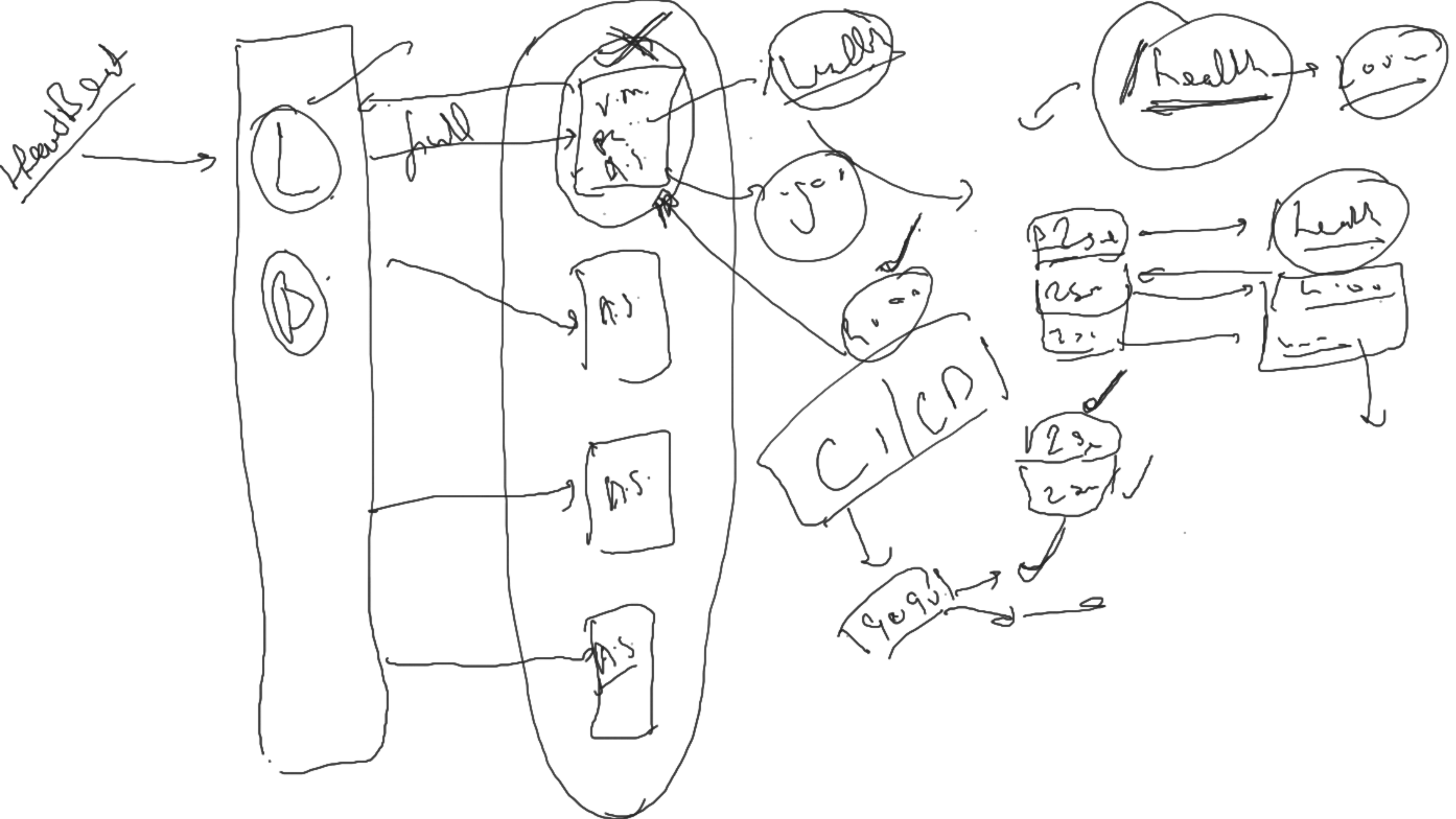
(Time Window) /usr/Log-

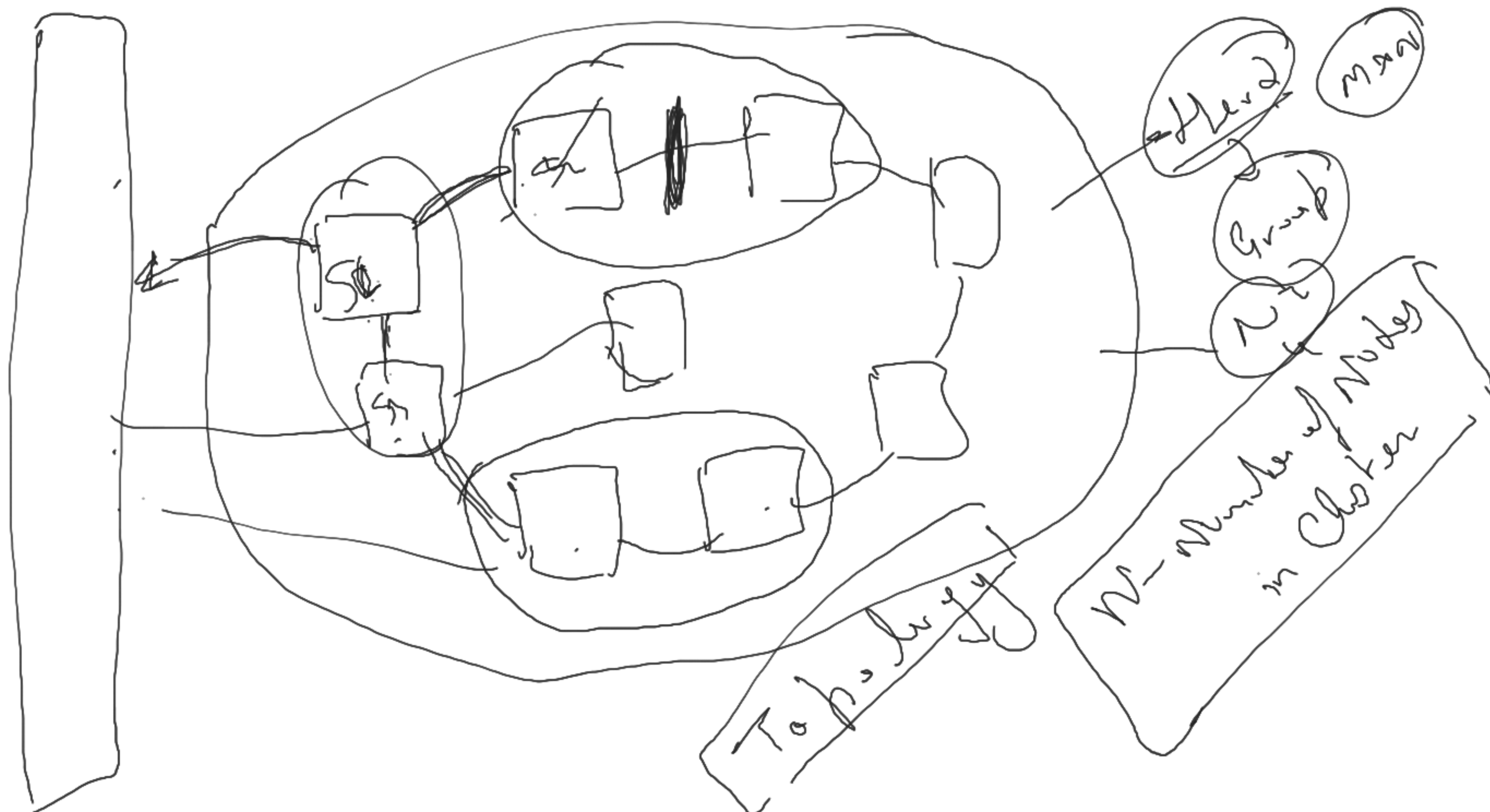
logback.xml

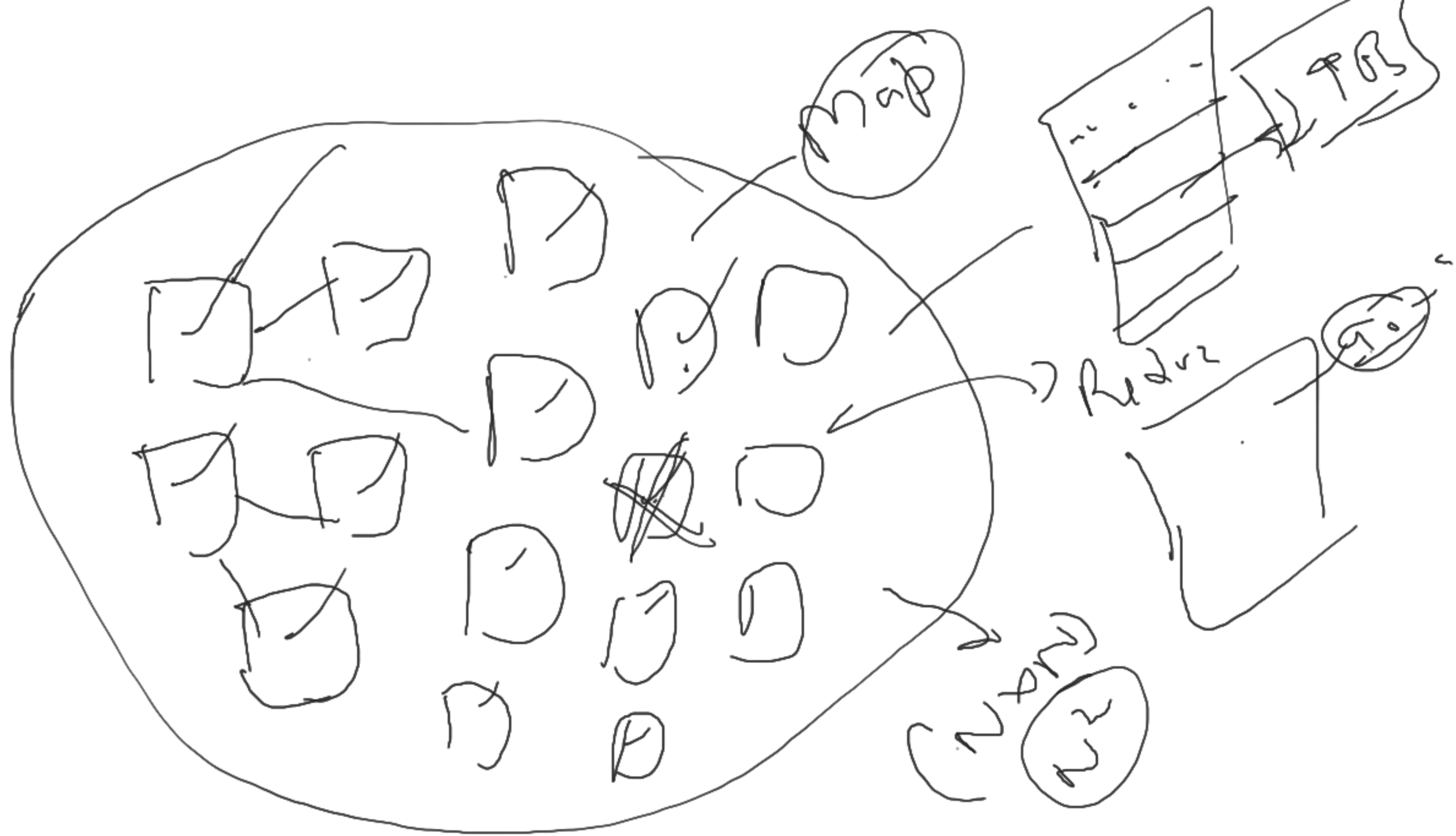
Javi



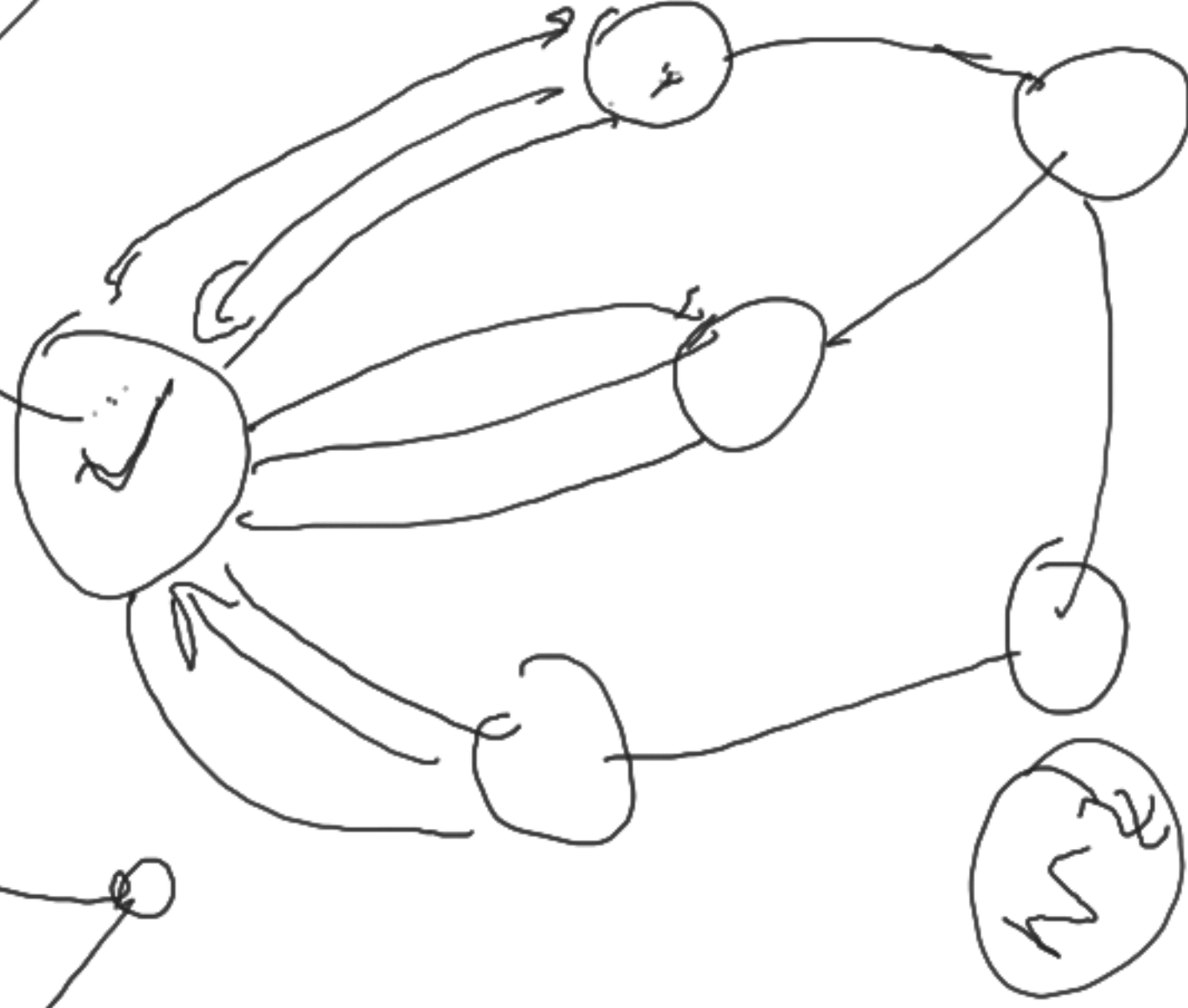
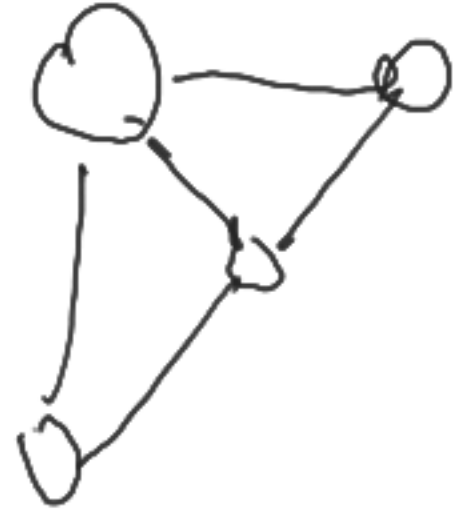






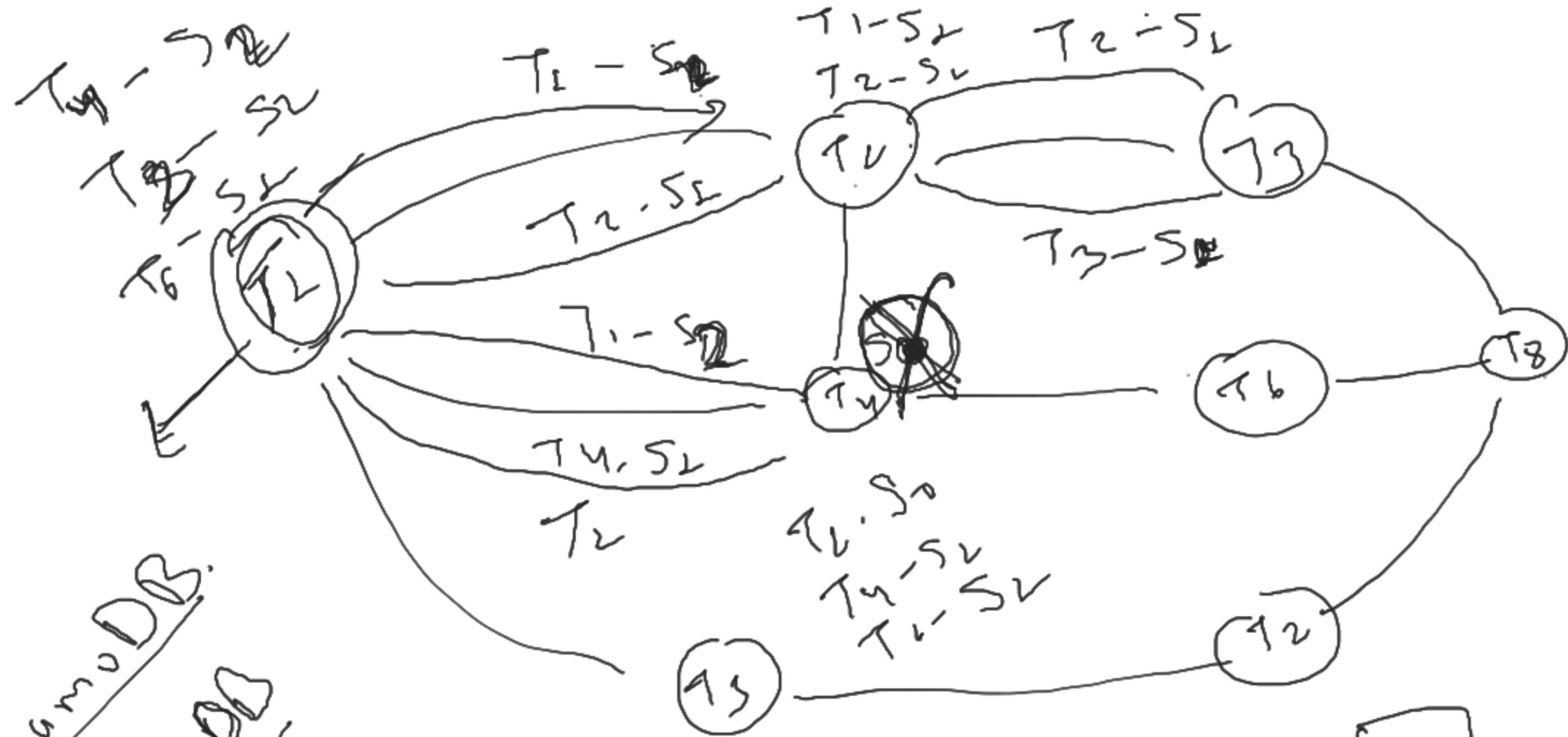


Gossip Protocol
Heuristics: Timout and
1/2n - 1 neighbors

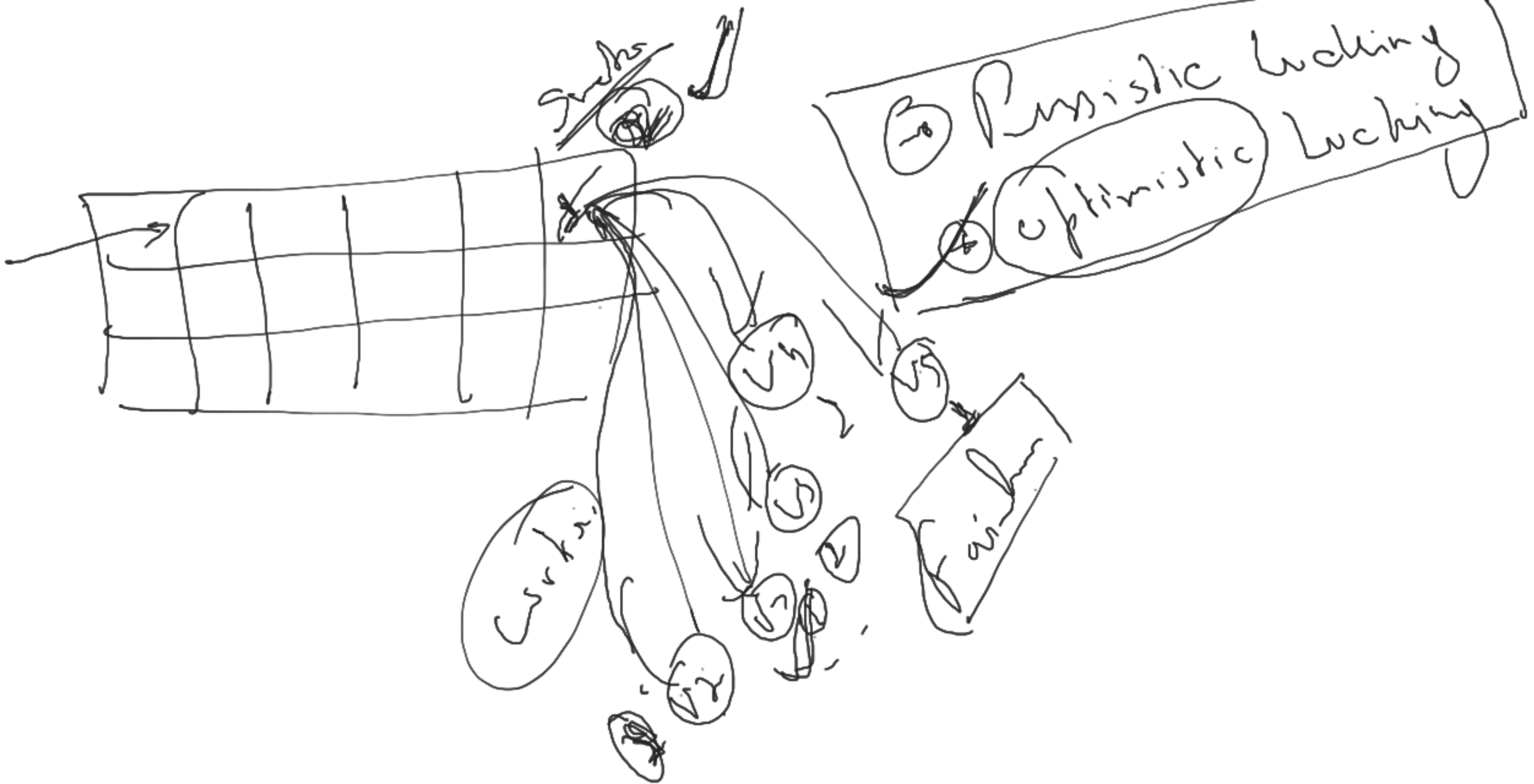


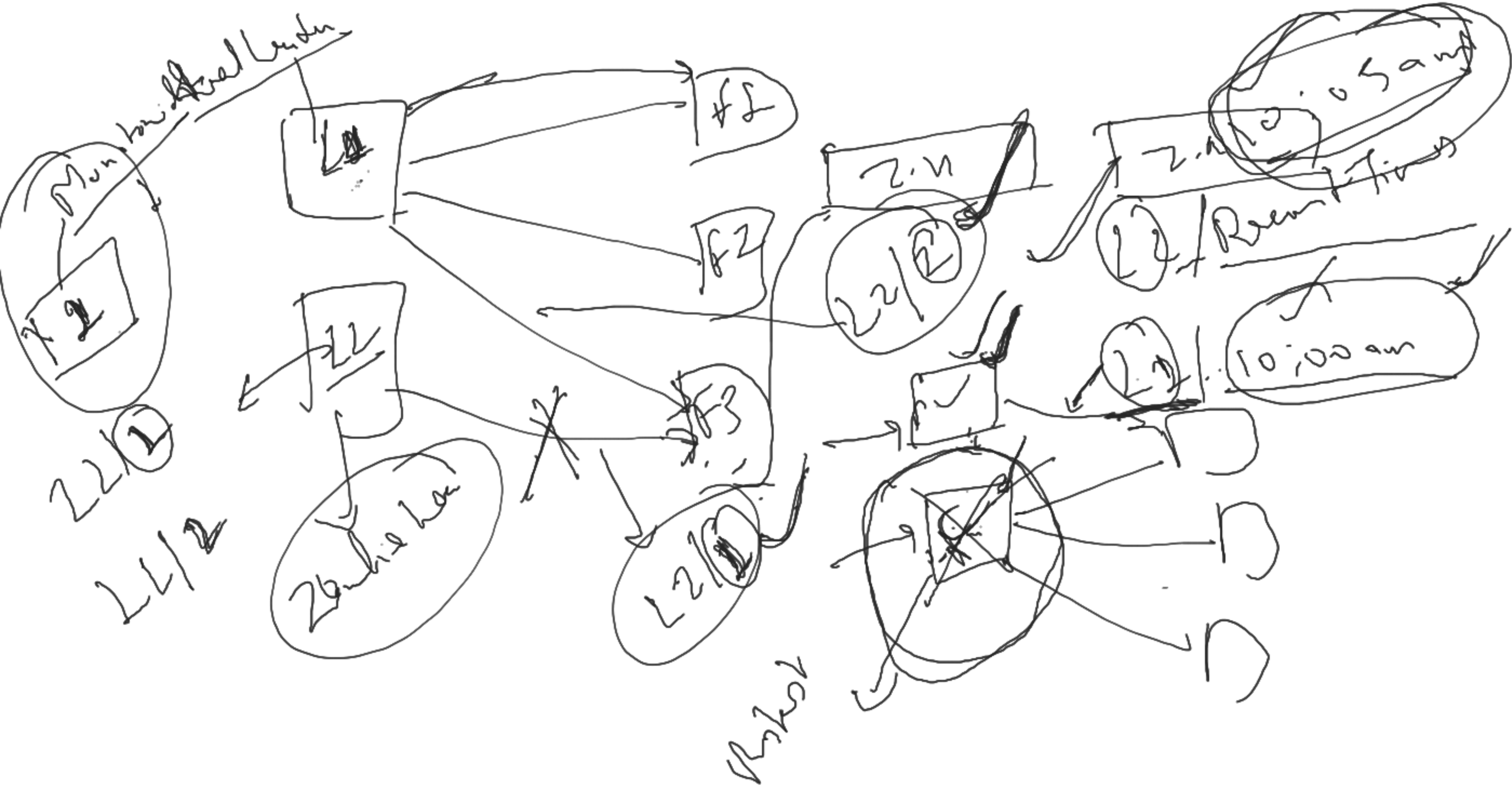
10:00

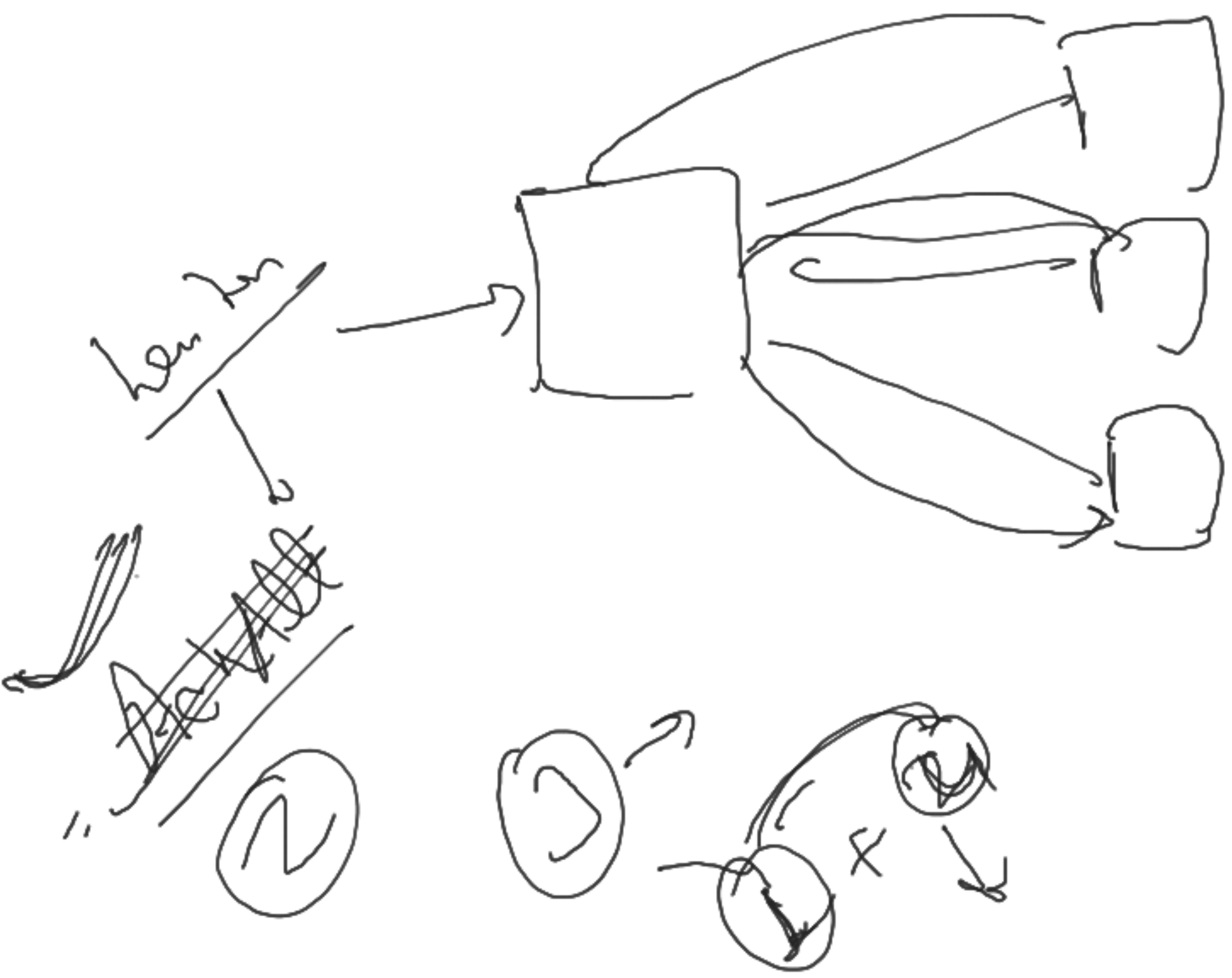
10:02 sec. → half
10:03 sec → complete



DynamoDB
Command
[State]







Th: Accural
Failure Detection

→ Failure → 100% →

~~I suggest you're going~~

11.9.2015 12:30

451



Check Sum:

