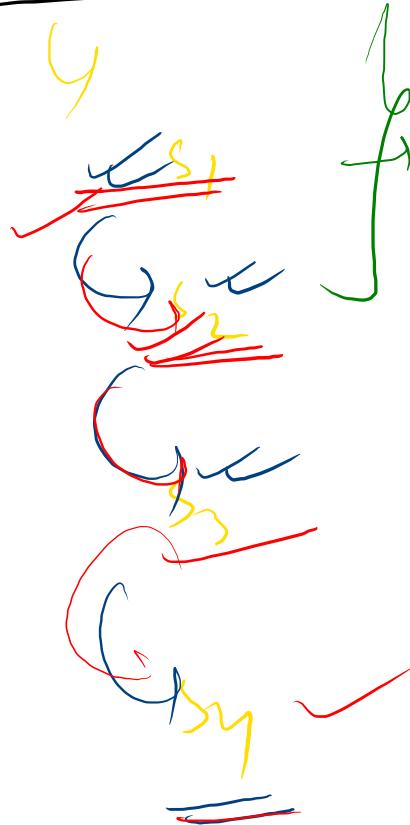
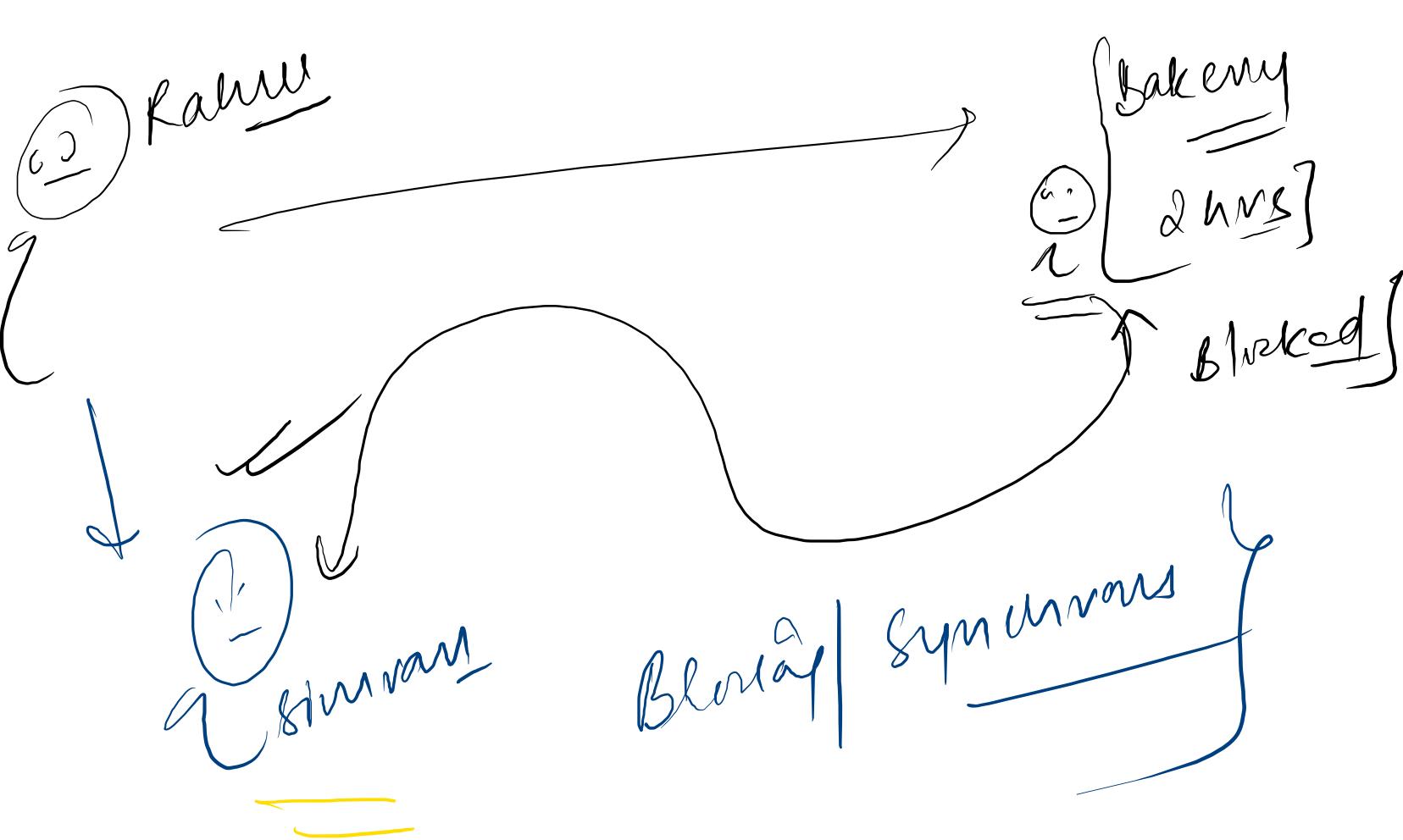


~~Synchronous~~ / Blocking

Problem



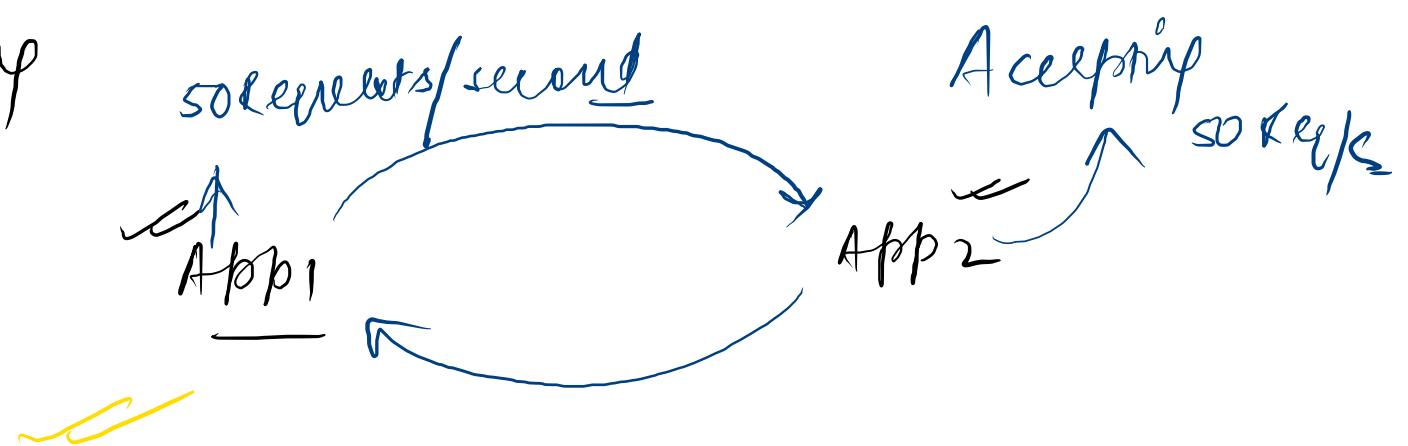
} synchronous approach



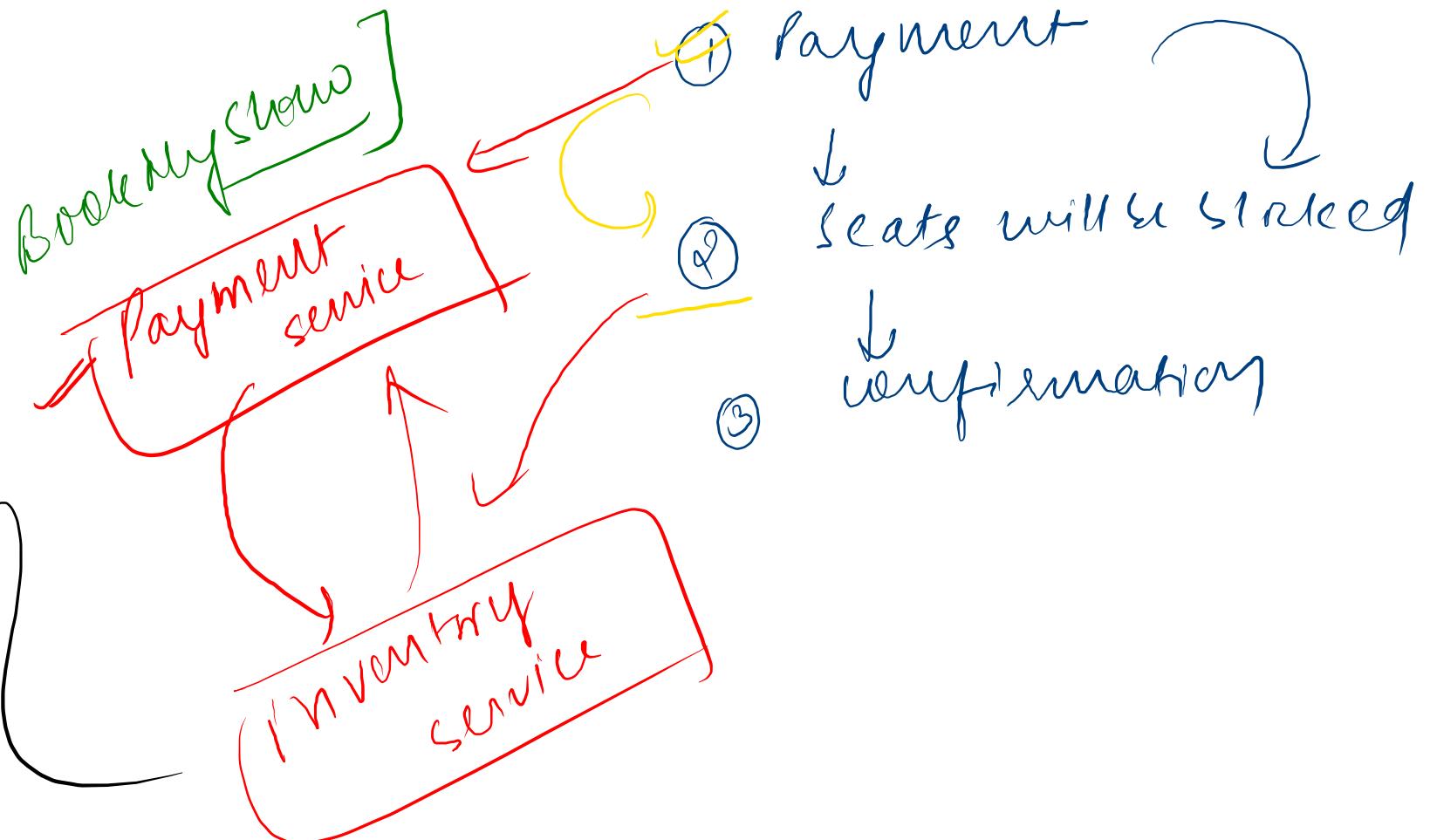
Synchronous / Blocking

①

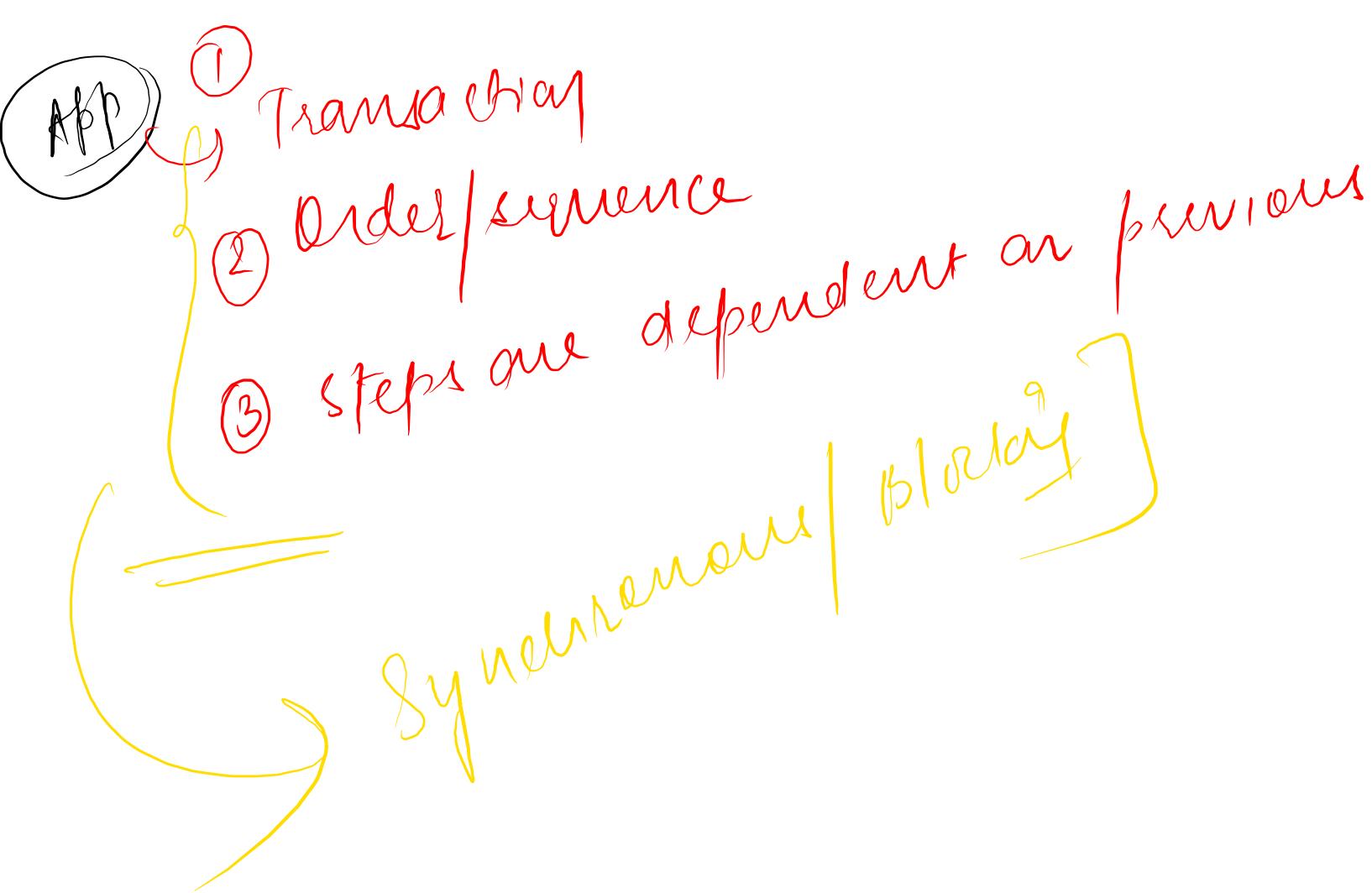
when?

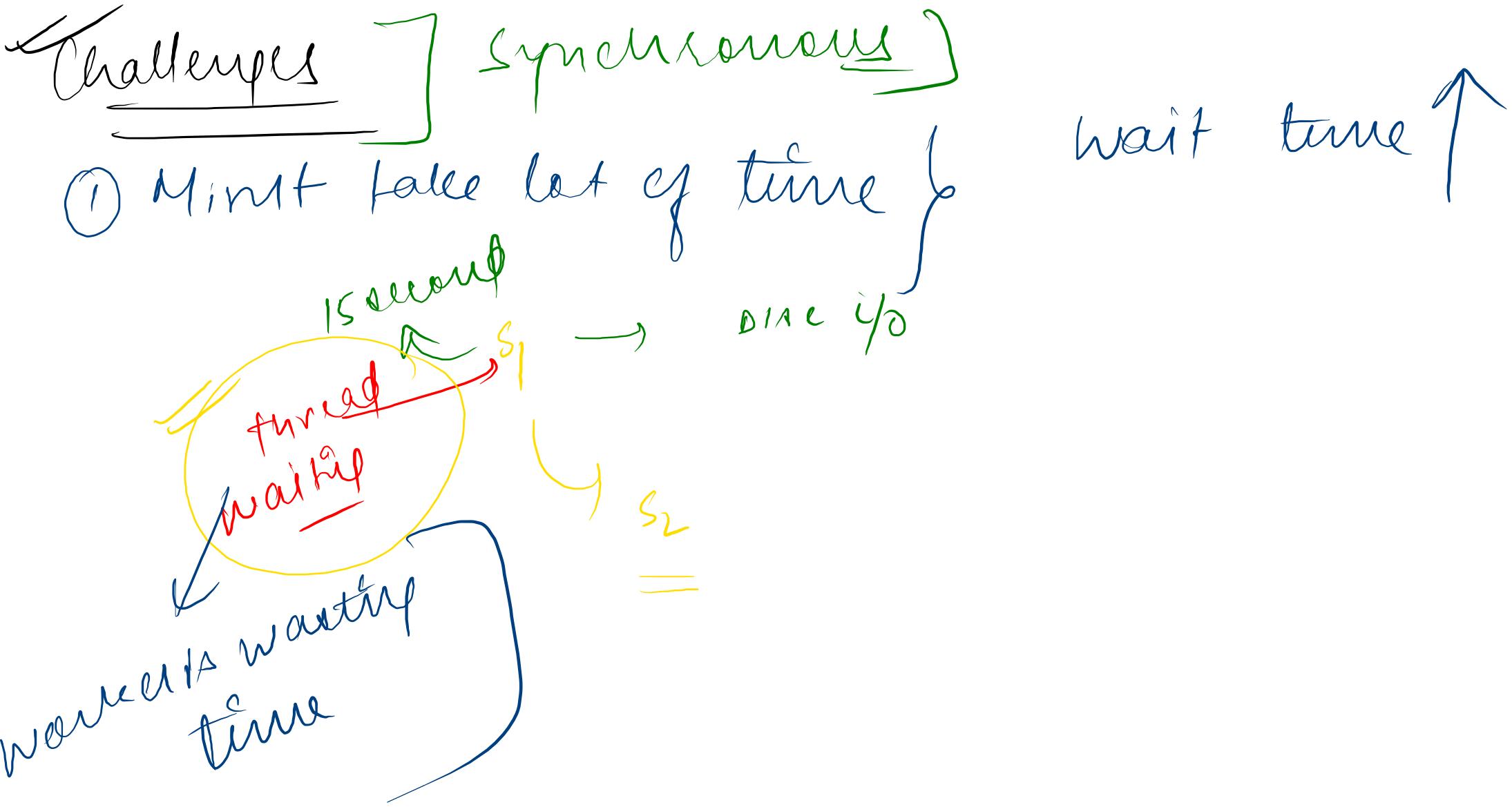


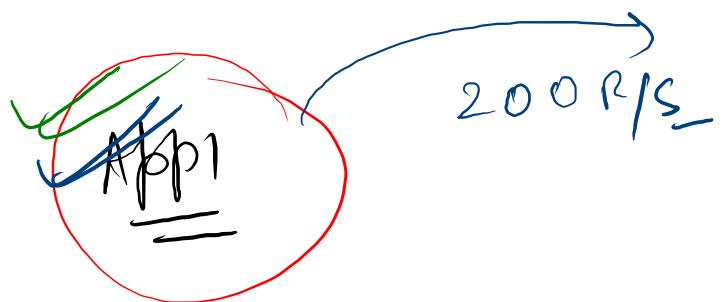
system] Transaction]



Synchronous Block ↗ ↘



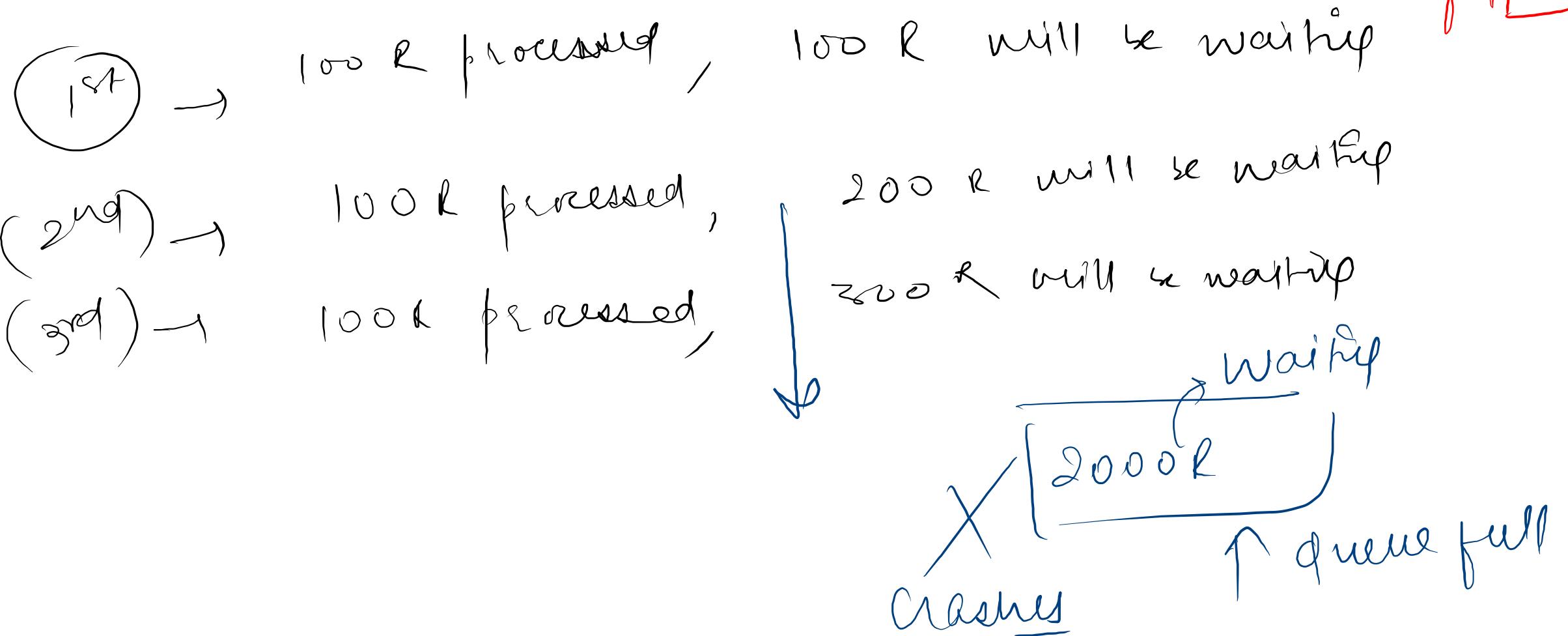




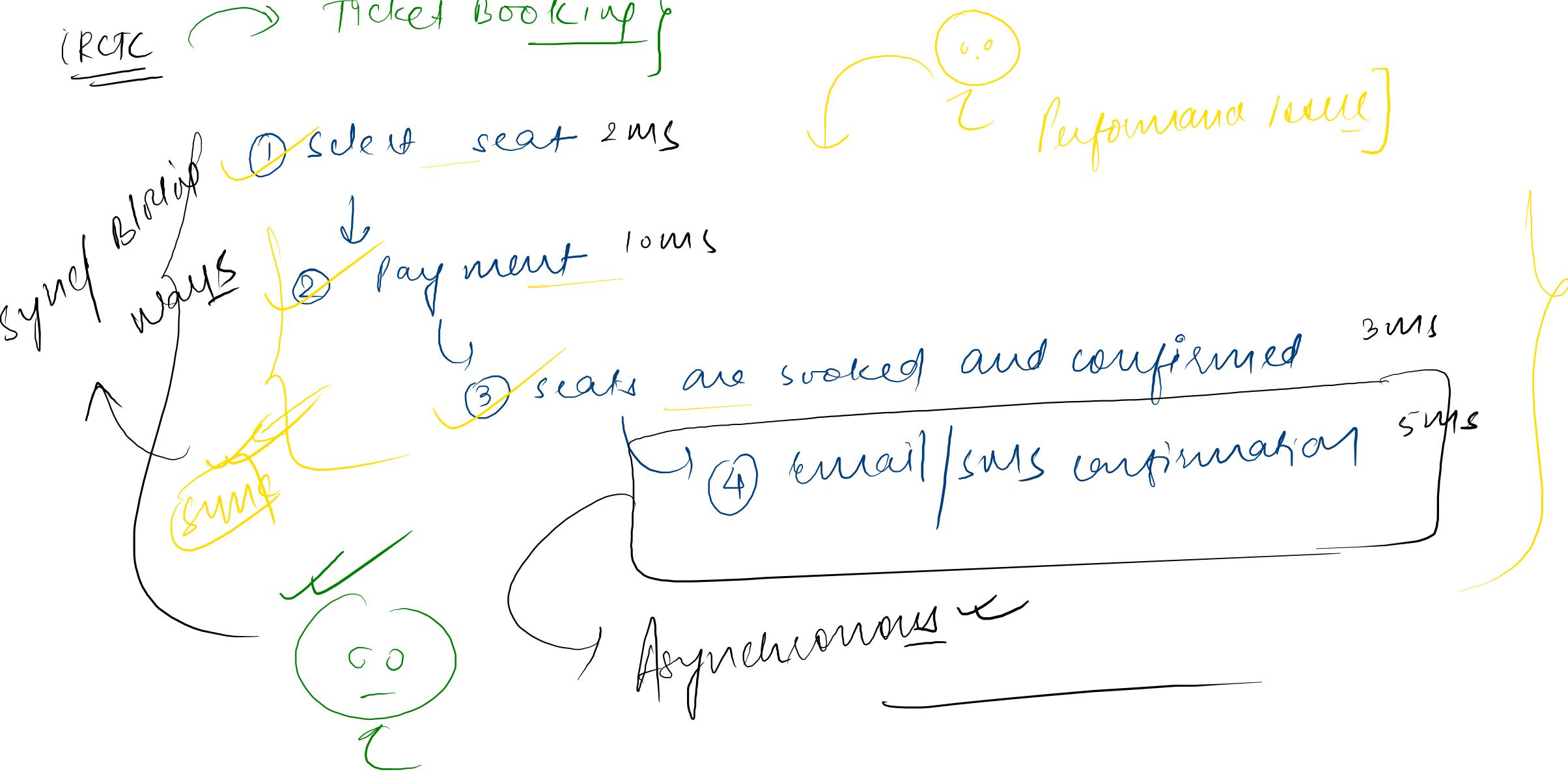
App2

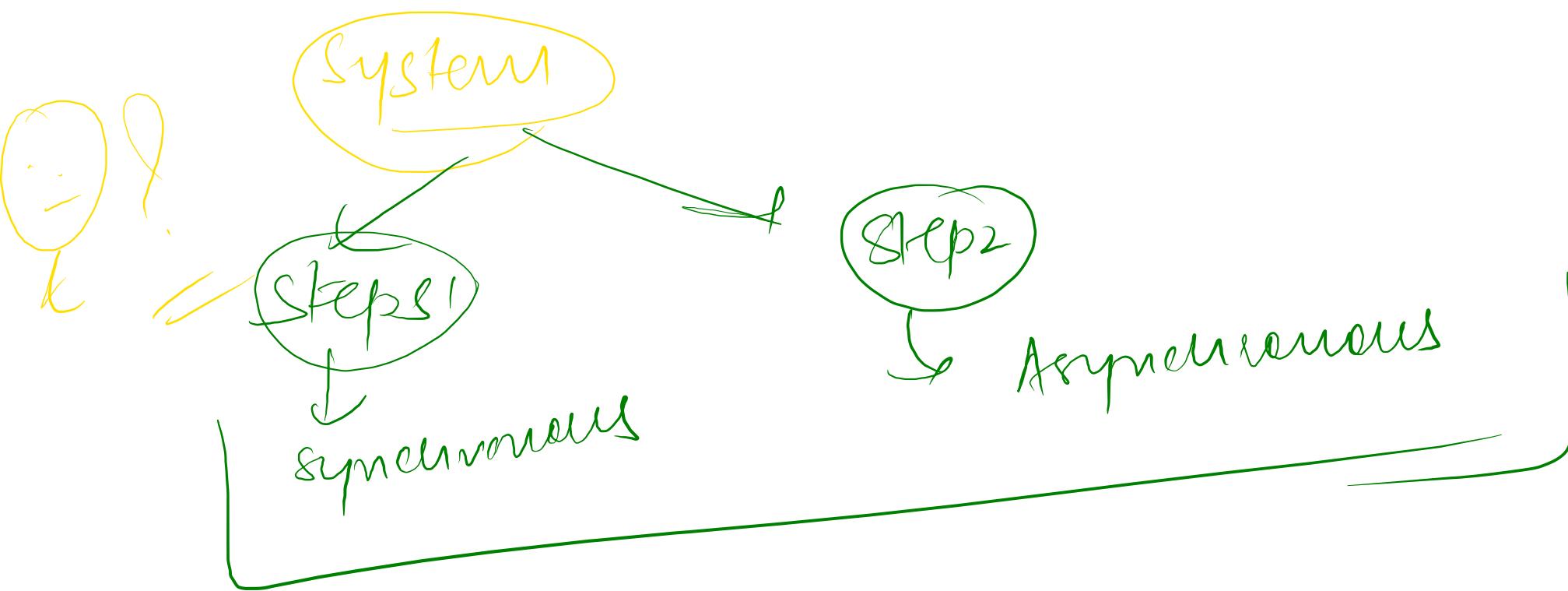
↑ 100 R/s/call ✓

→ cascading failure q App2



iRCTC → Ticket Booking

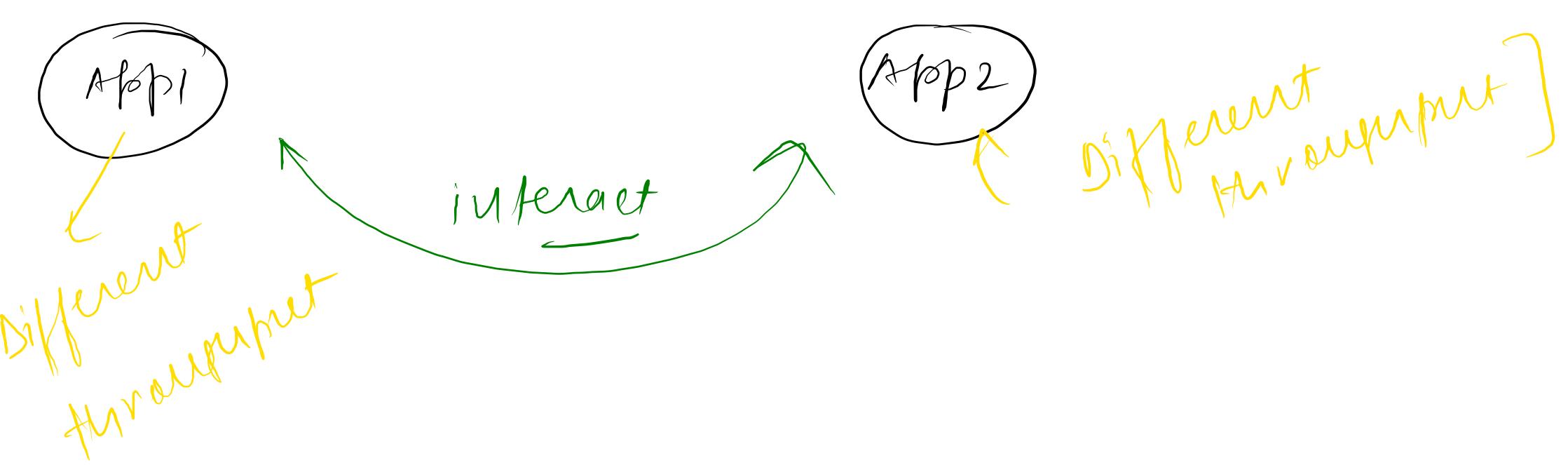


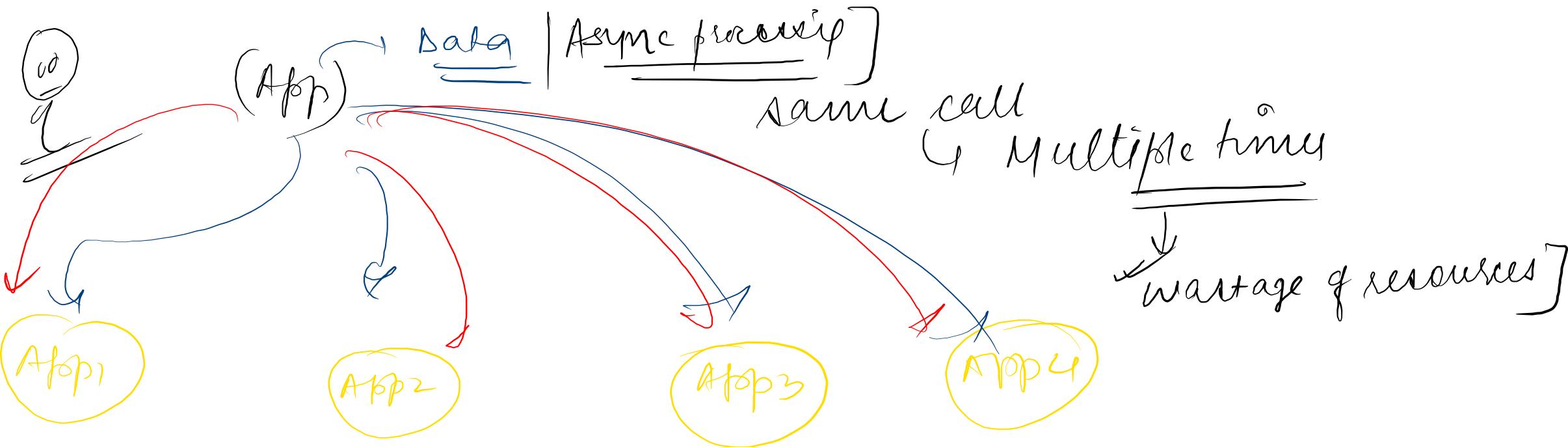


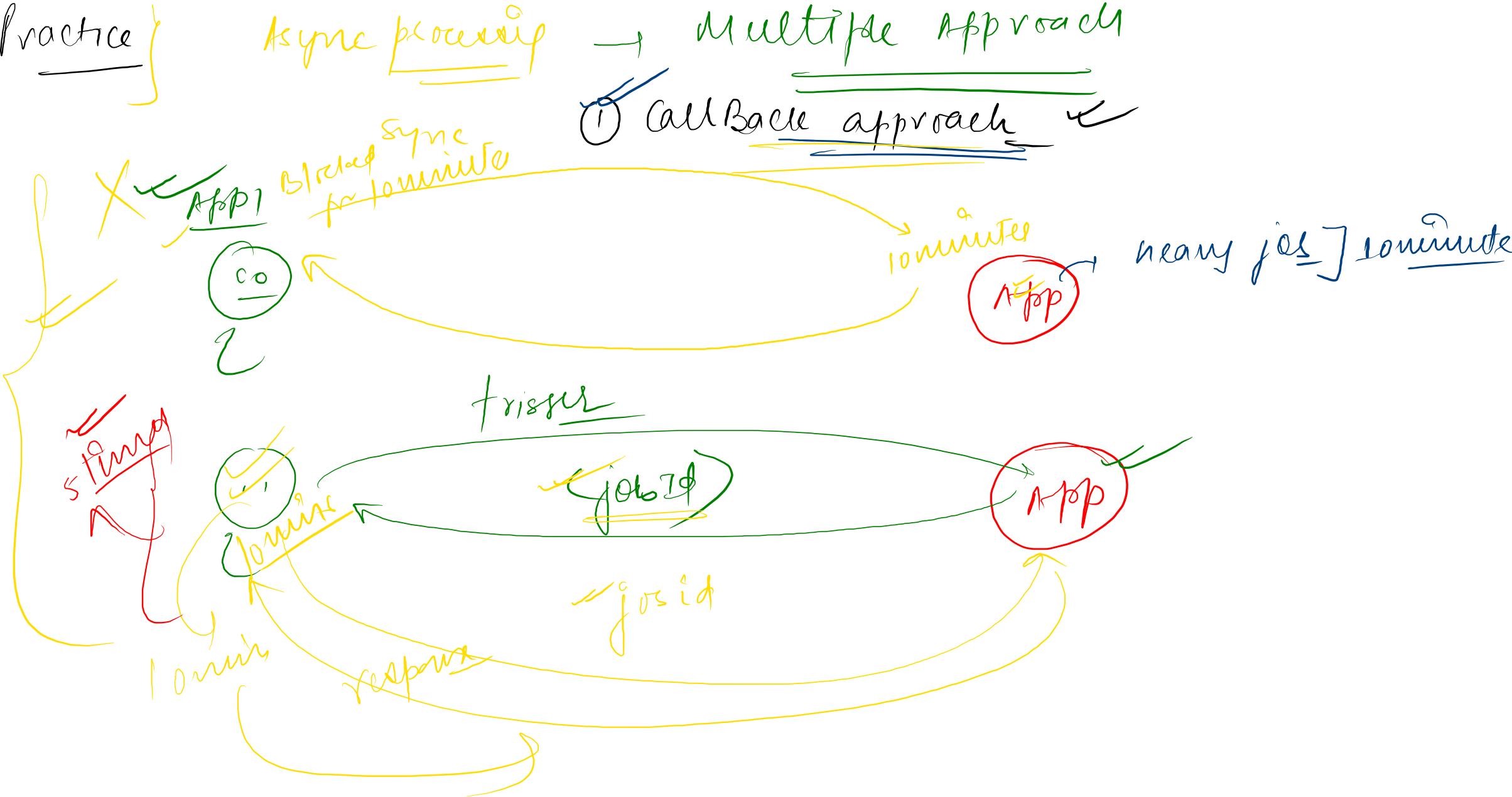
communication / processing

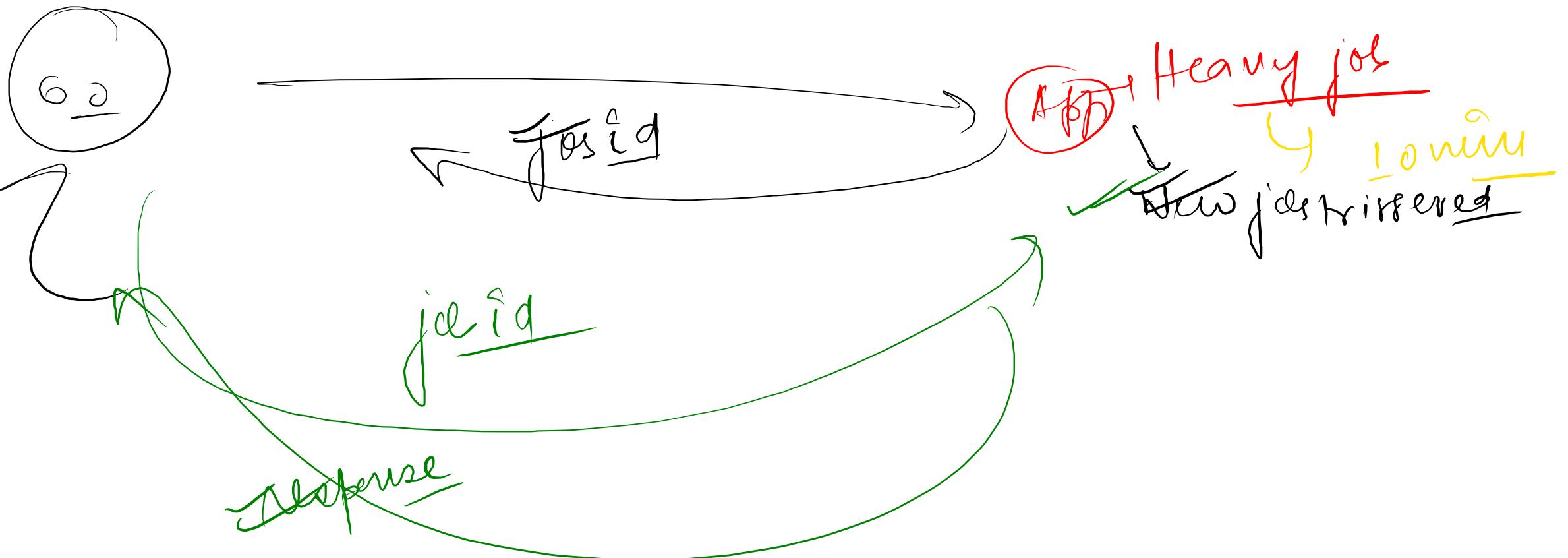
Asynchronous

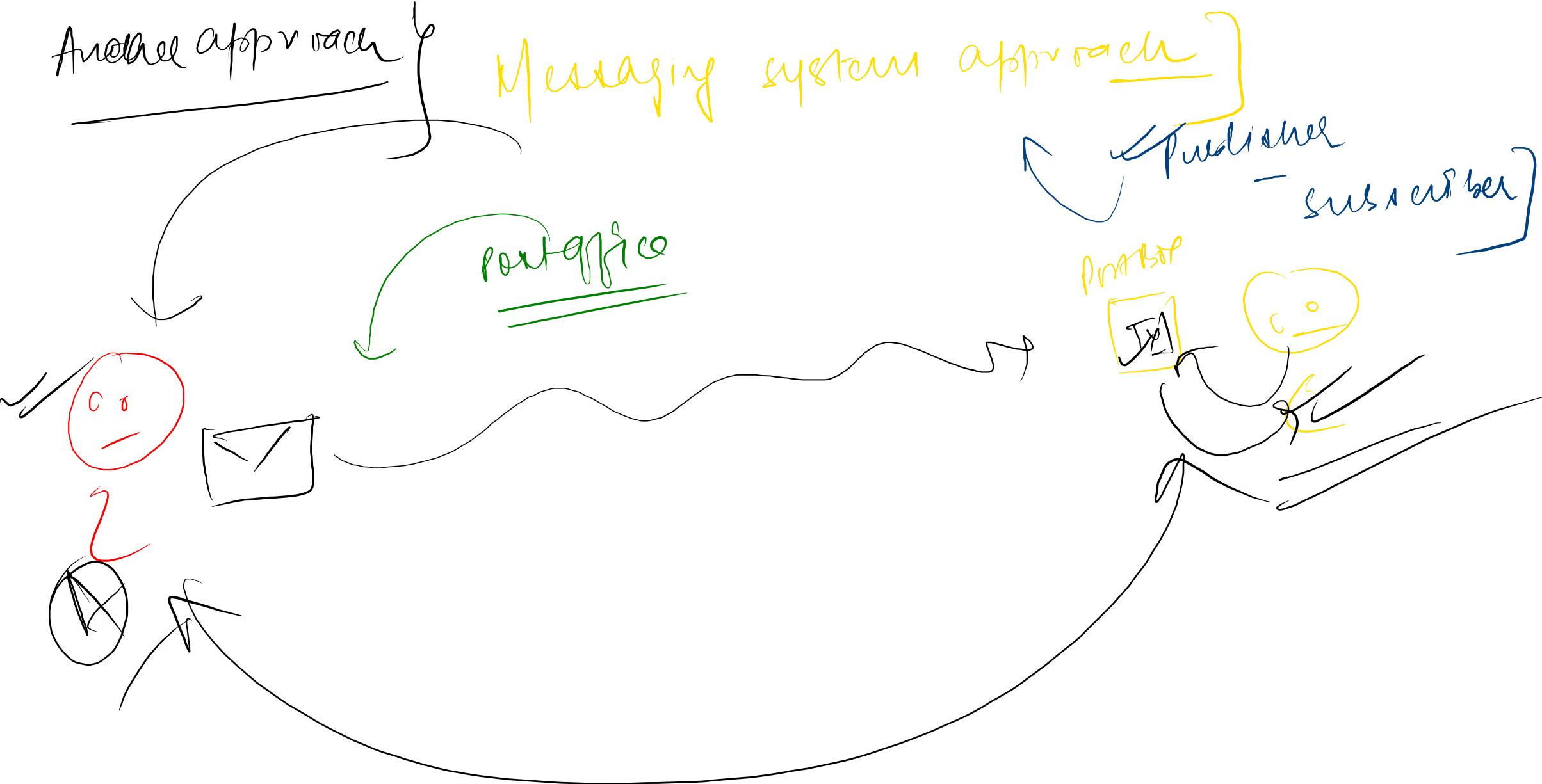
~~scale the systems well~~

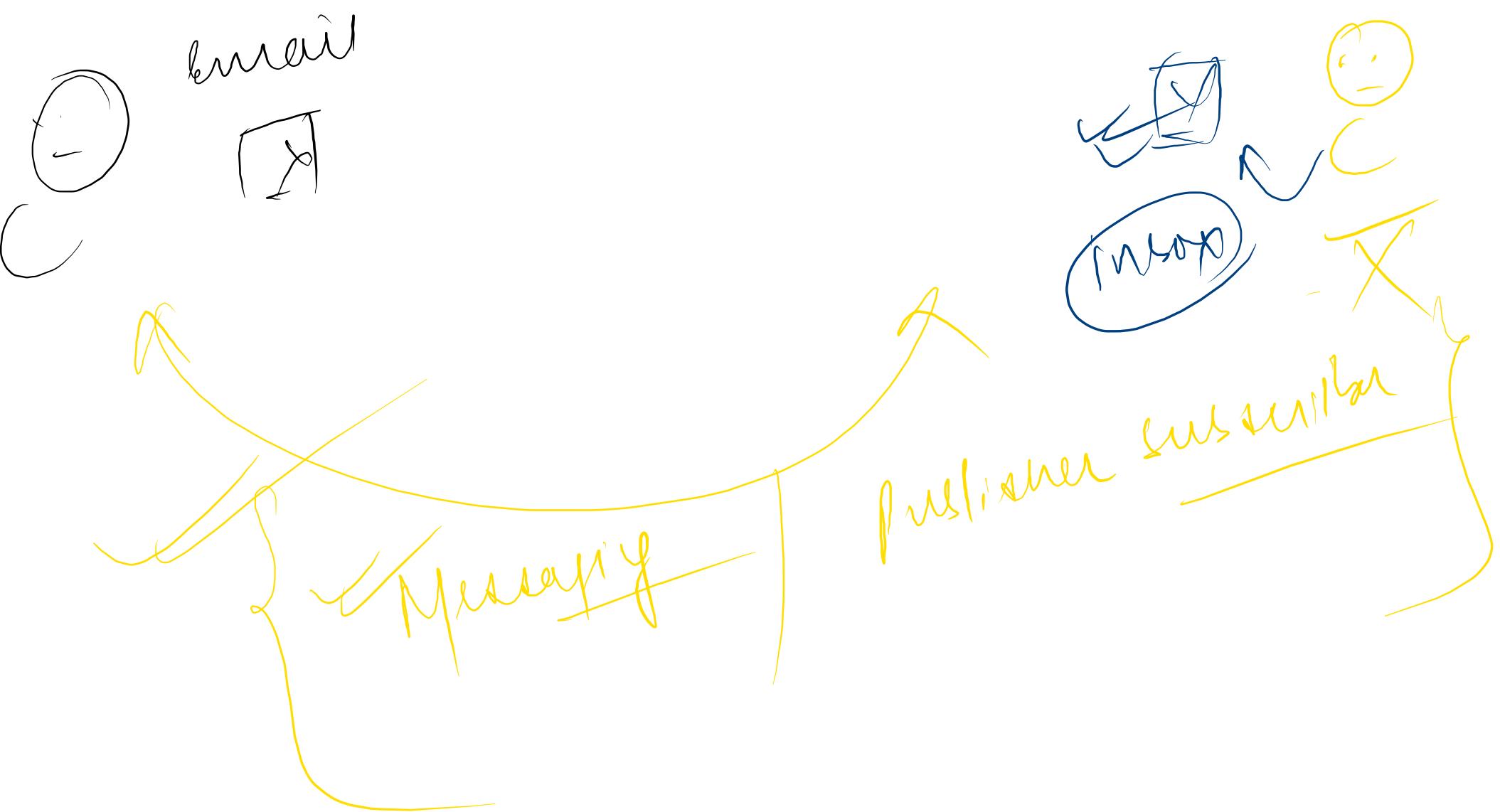




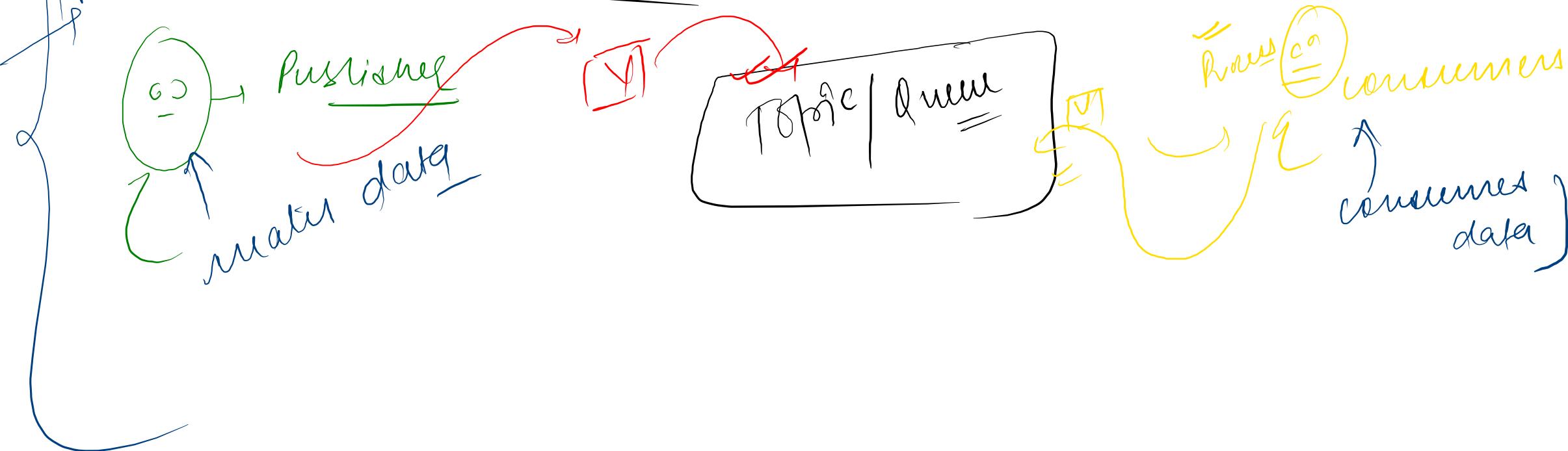








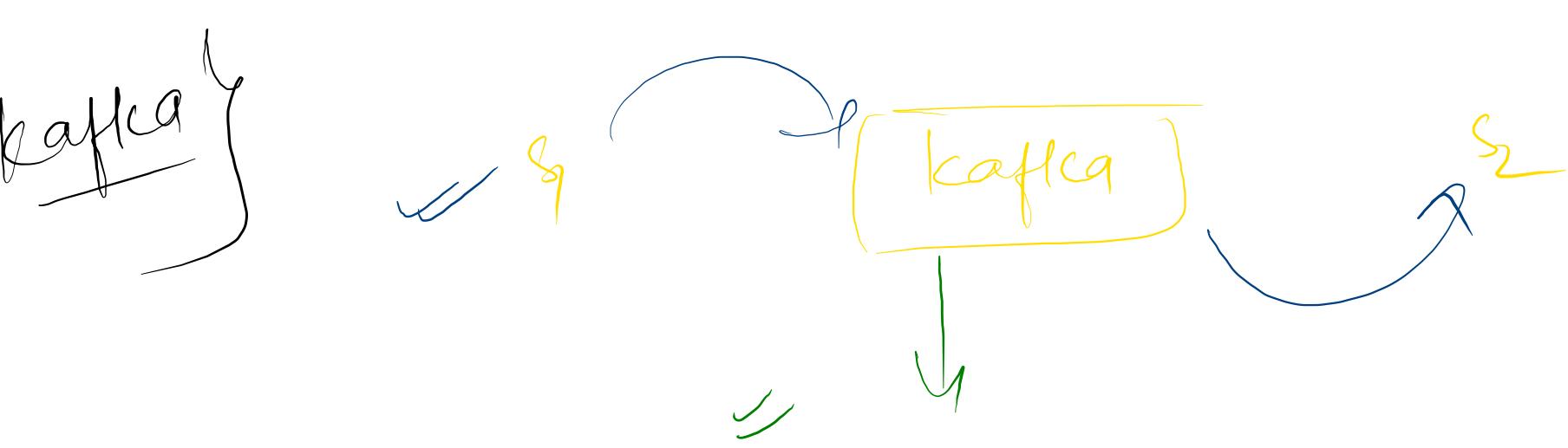
Pub/Sub approach Messaging system



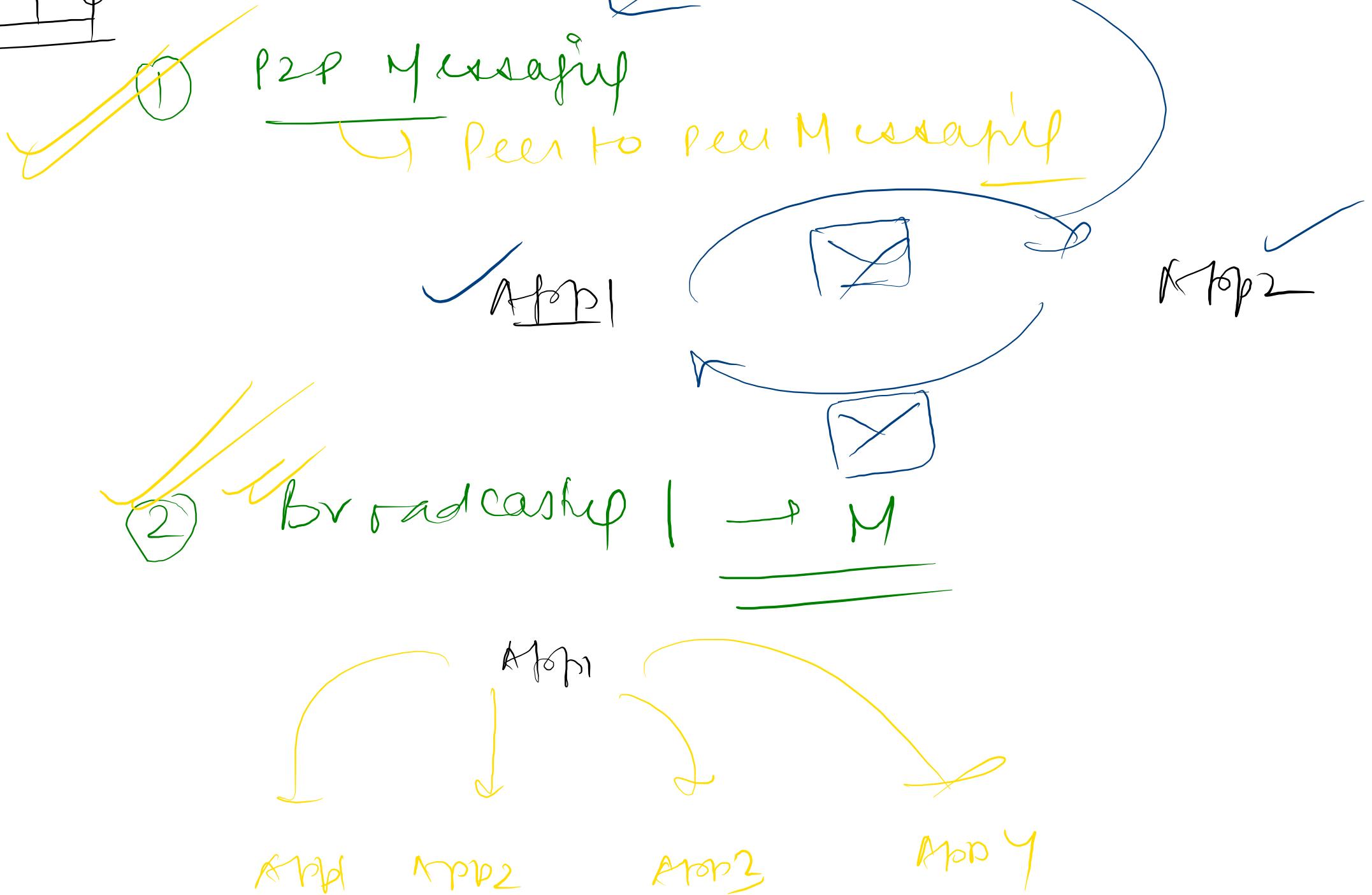
Message system

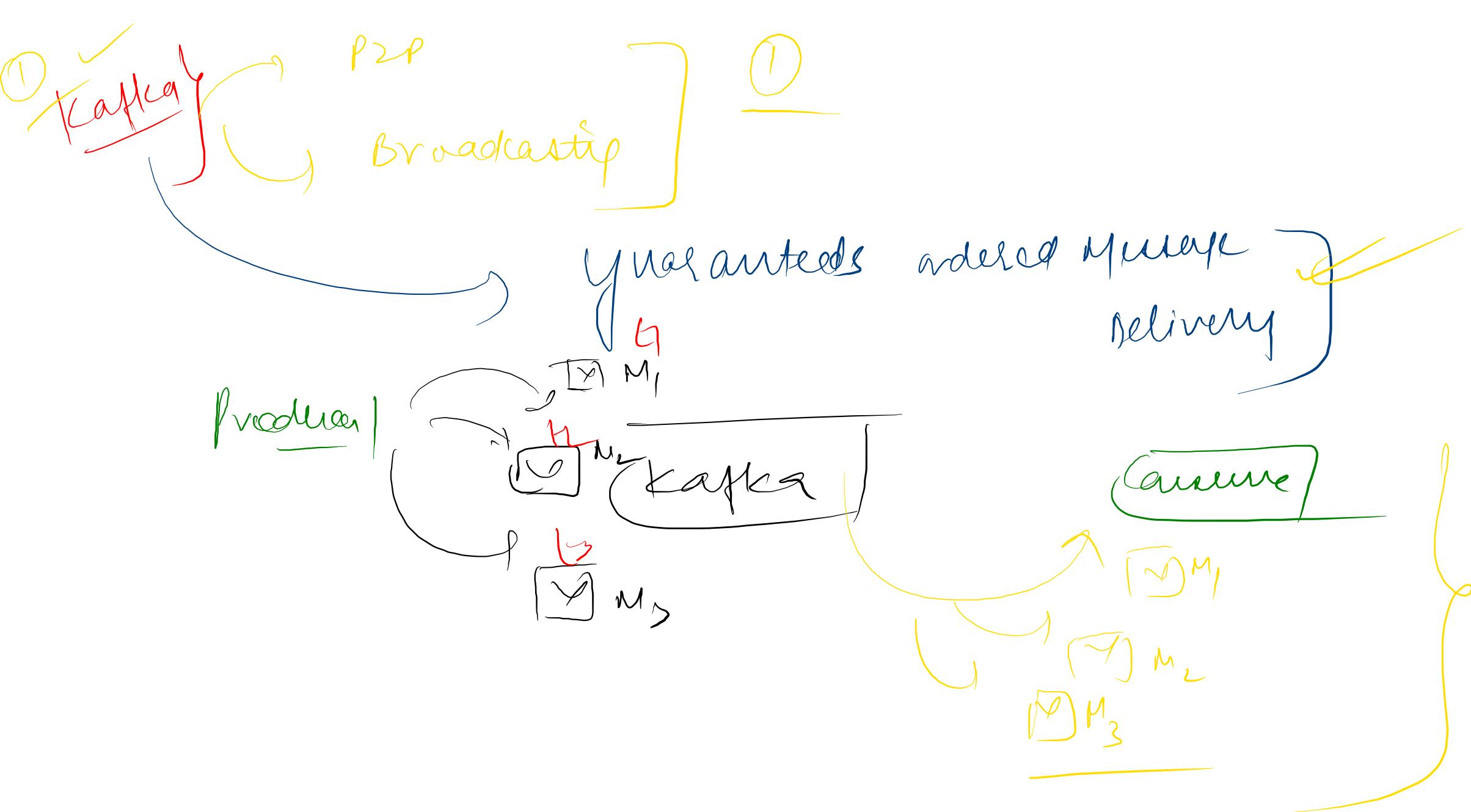


~~Kafka~~ → [Distributed / Robust messaging system]



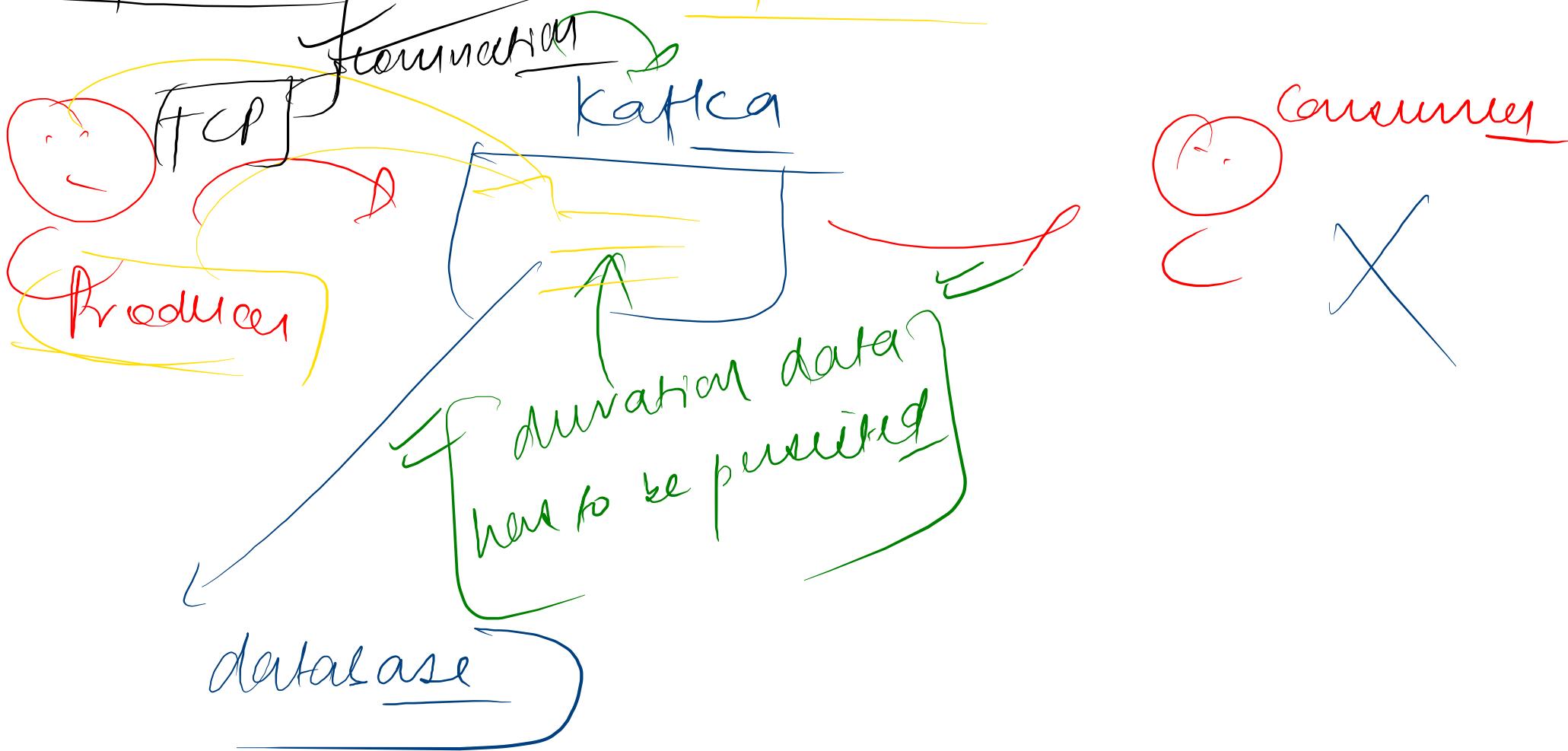
Messaging

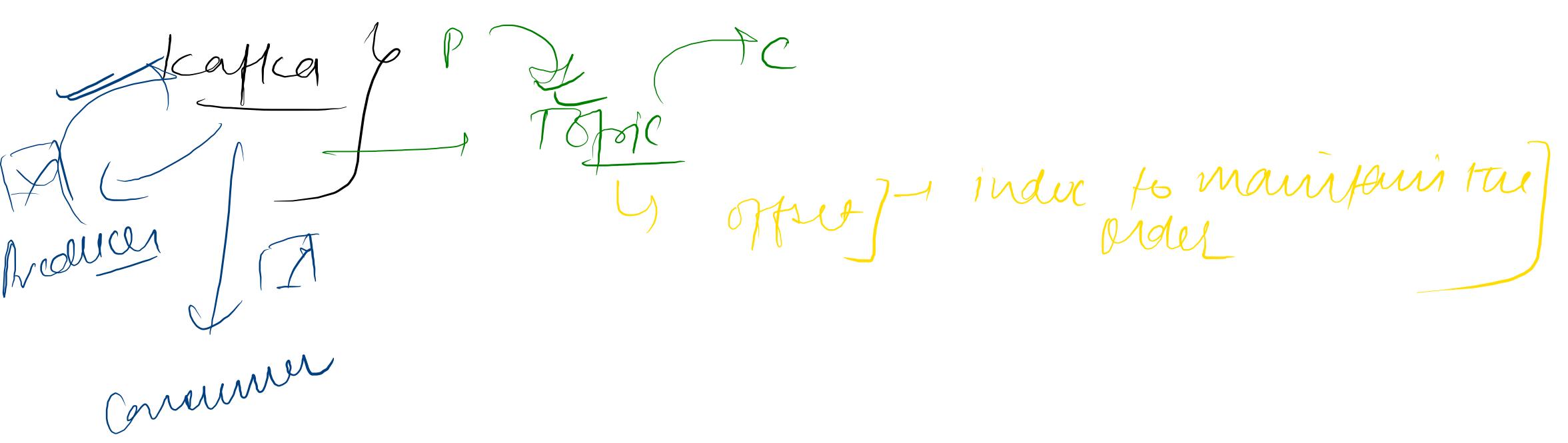


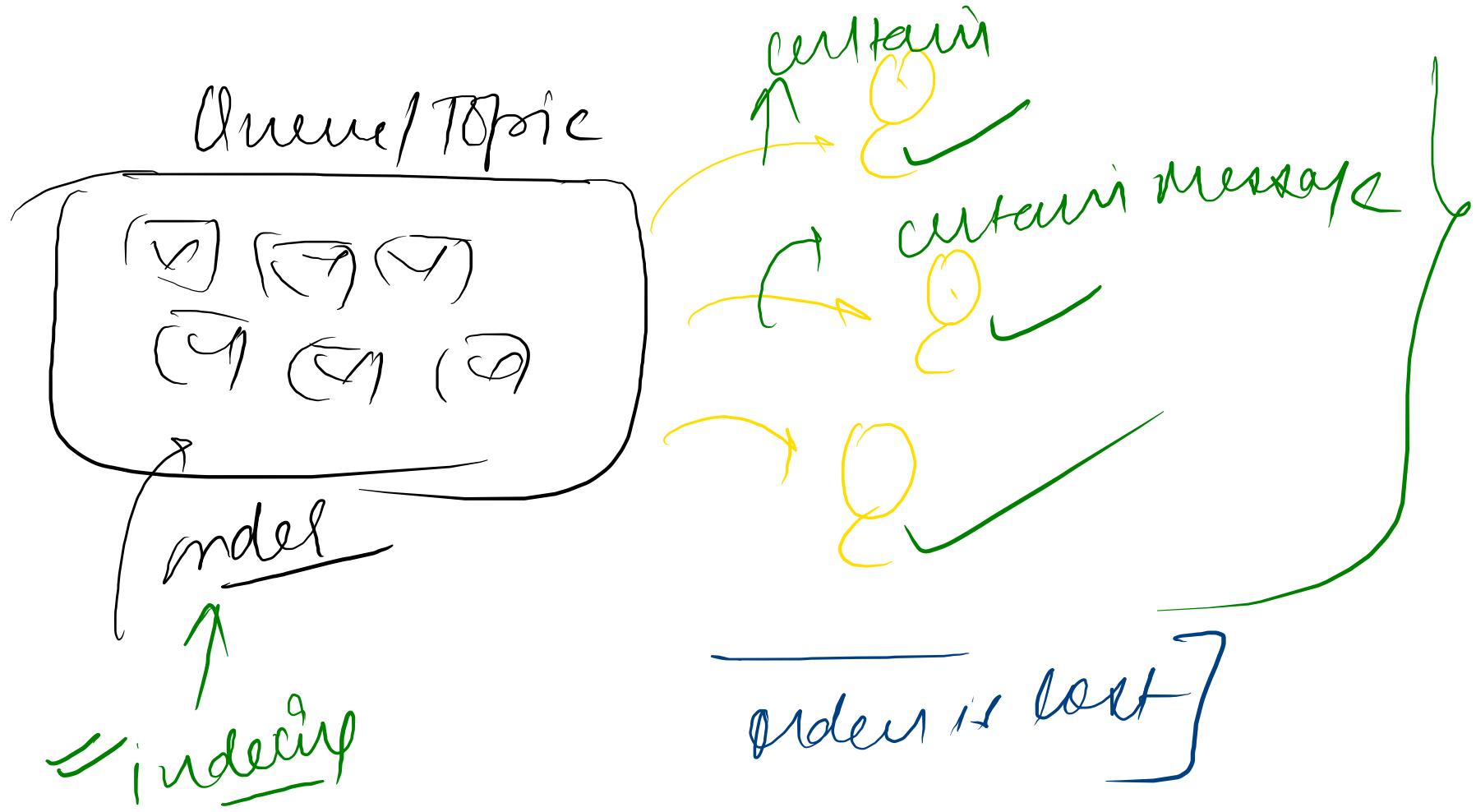


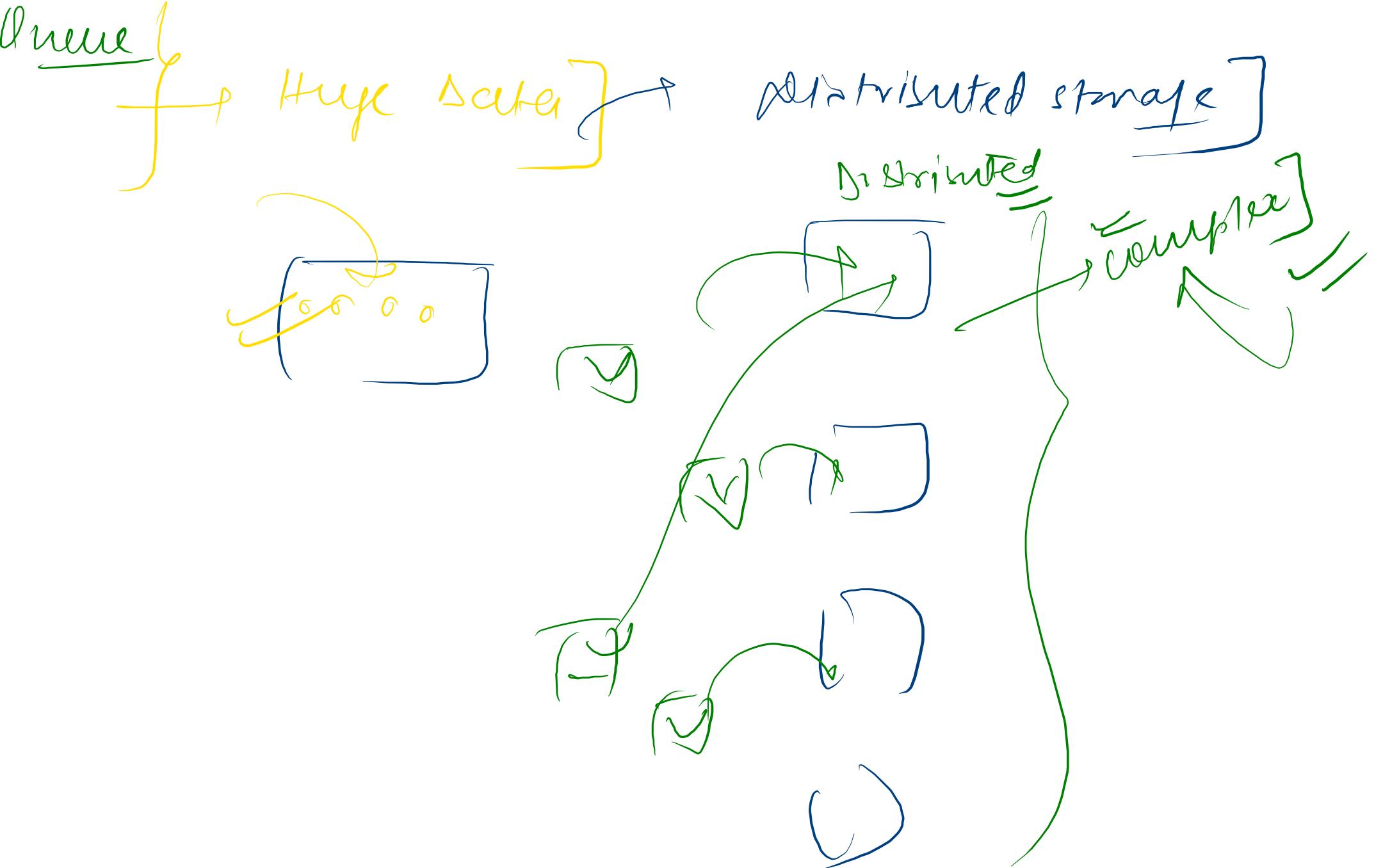
②

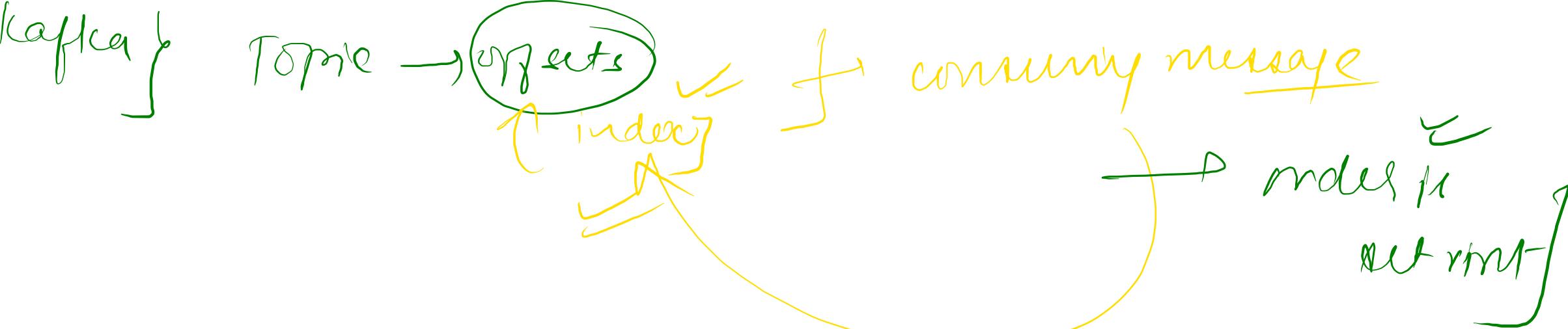
kafka provided → no message loss

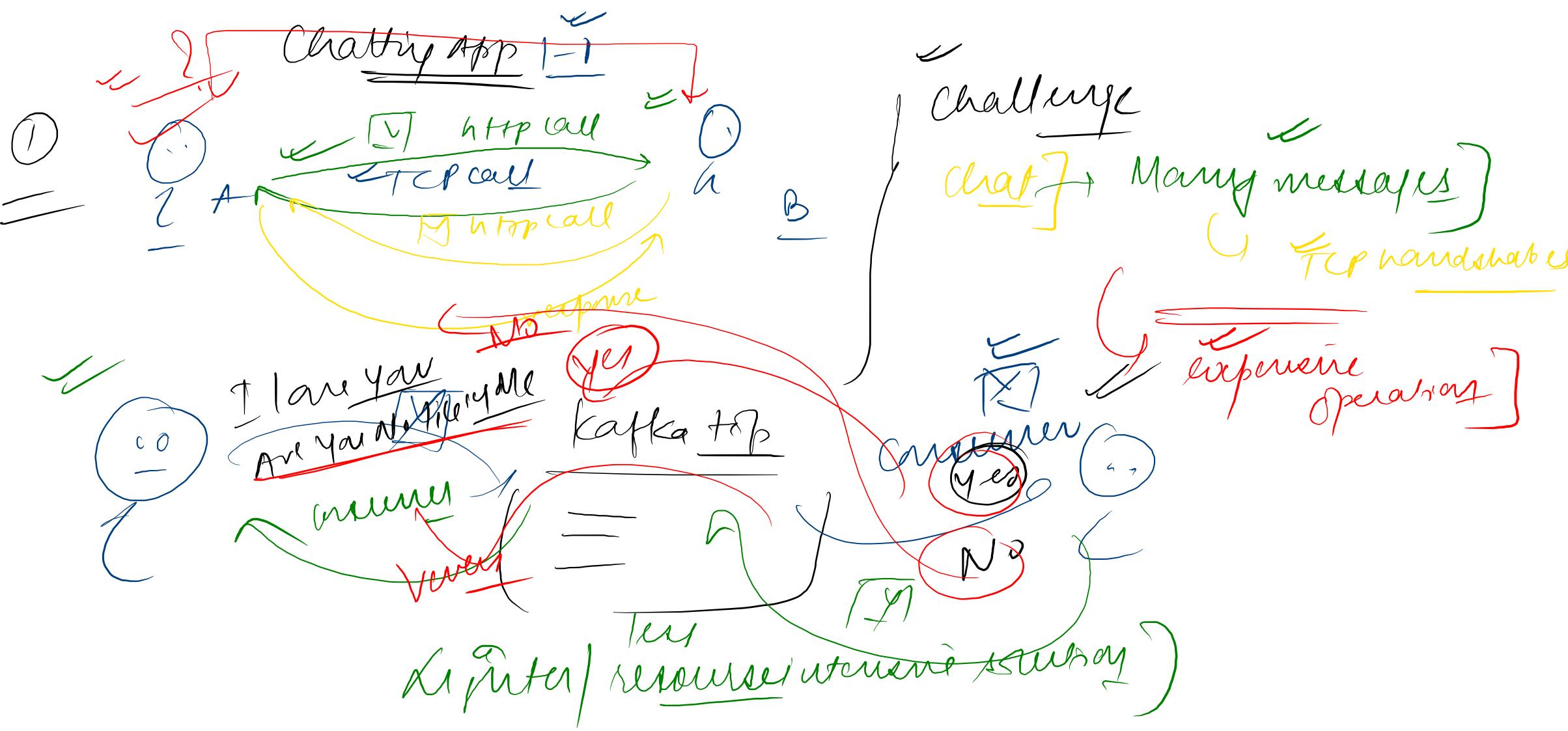


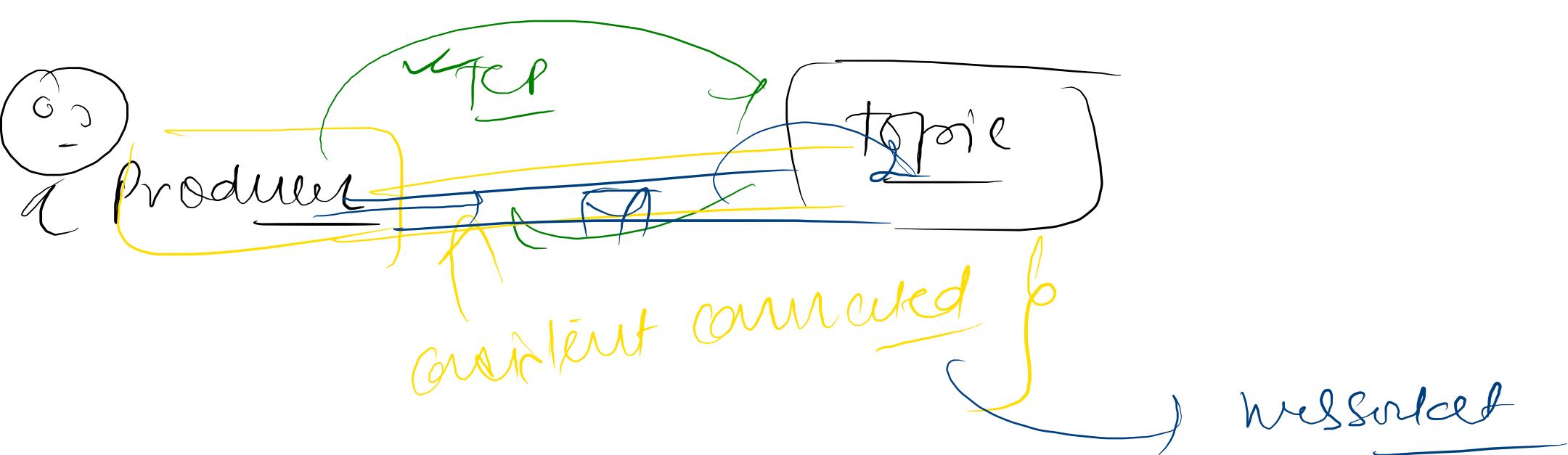












Walmart

→ Checkout Experience



Payment

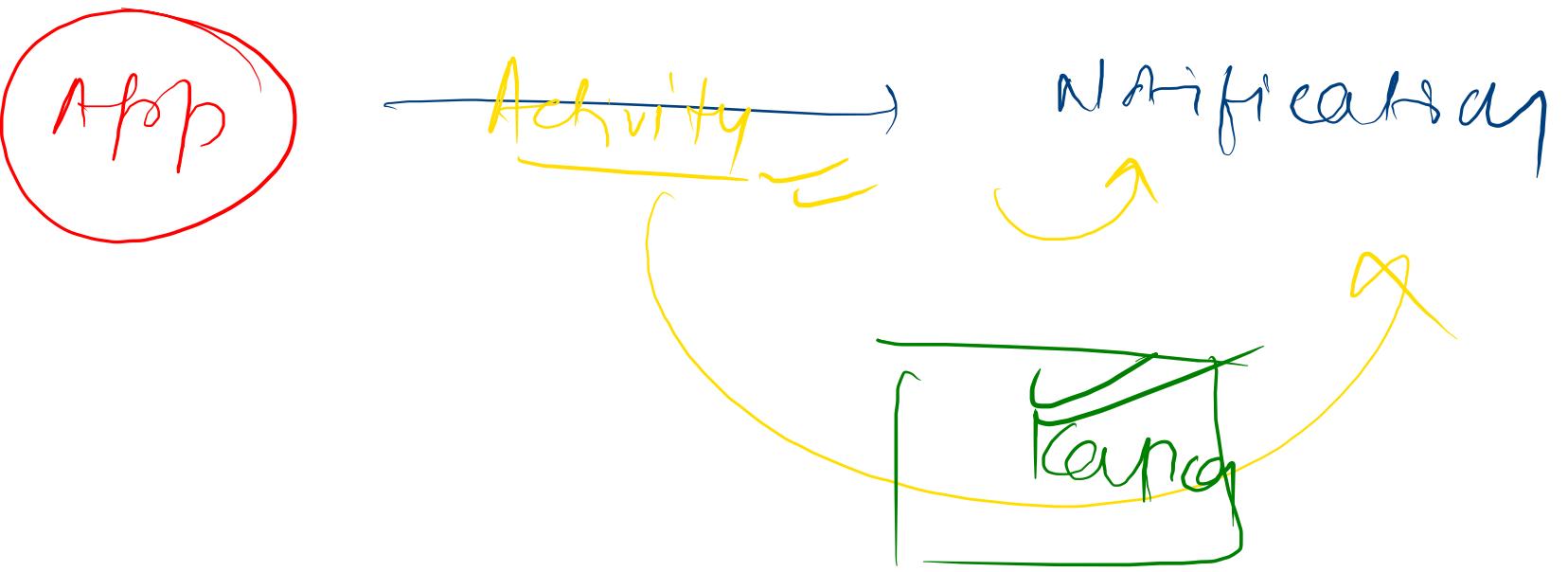


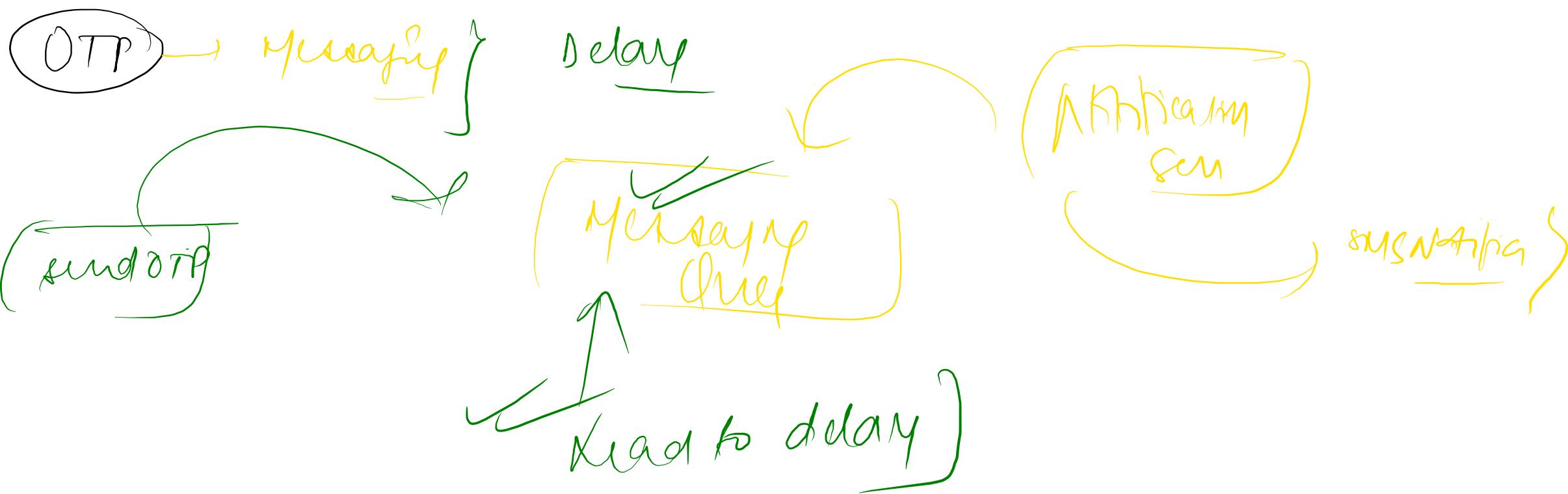
Kafka

Shipment Service



Notification Service

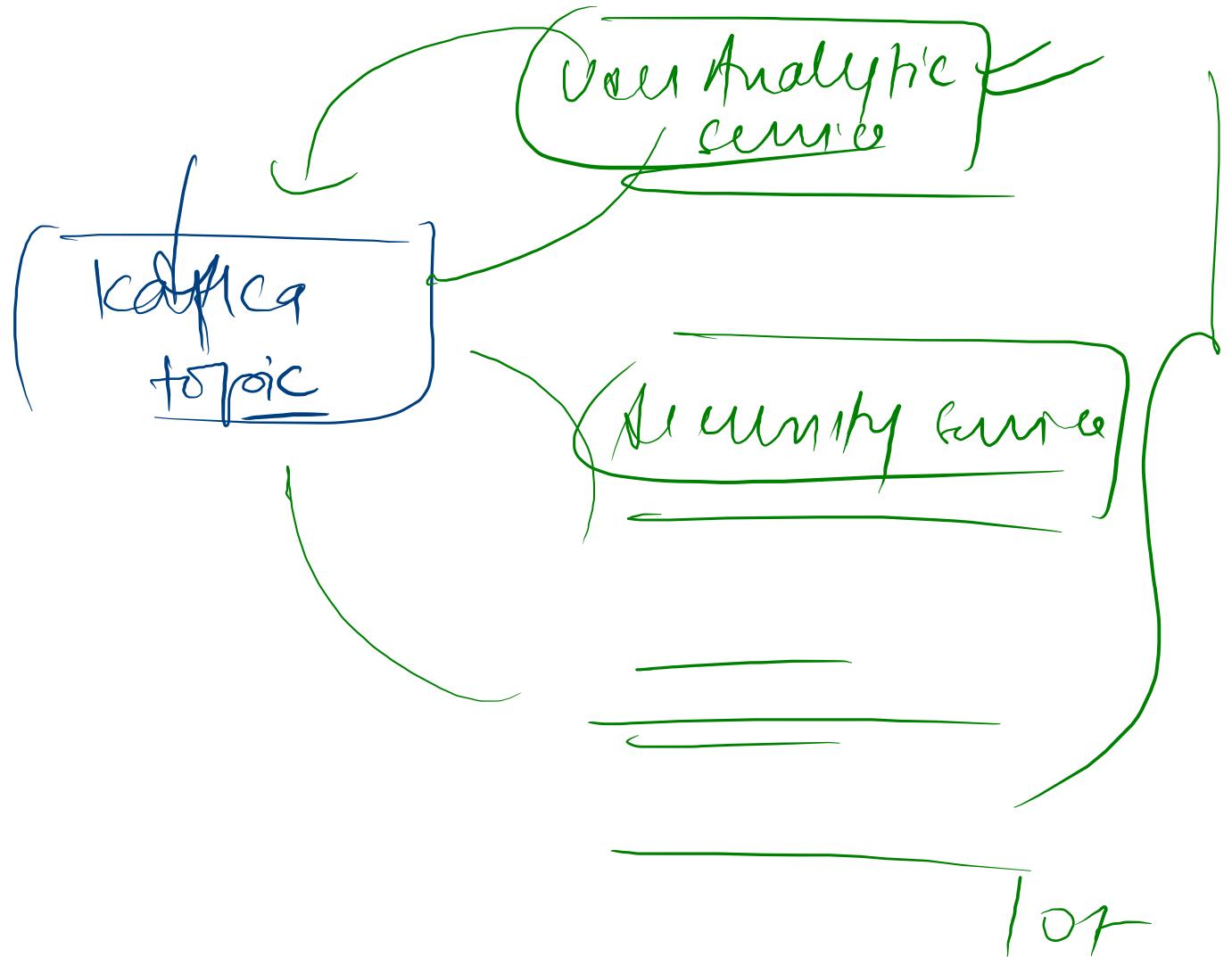


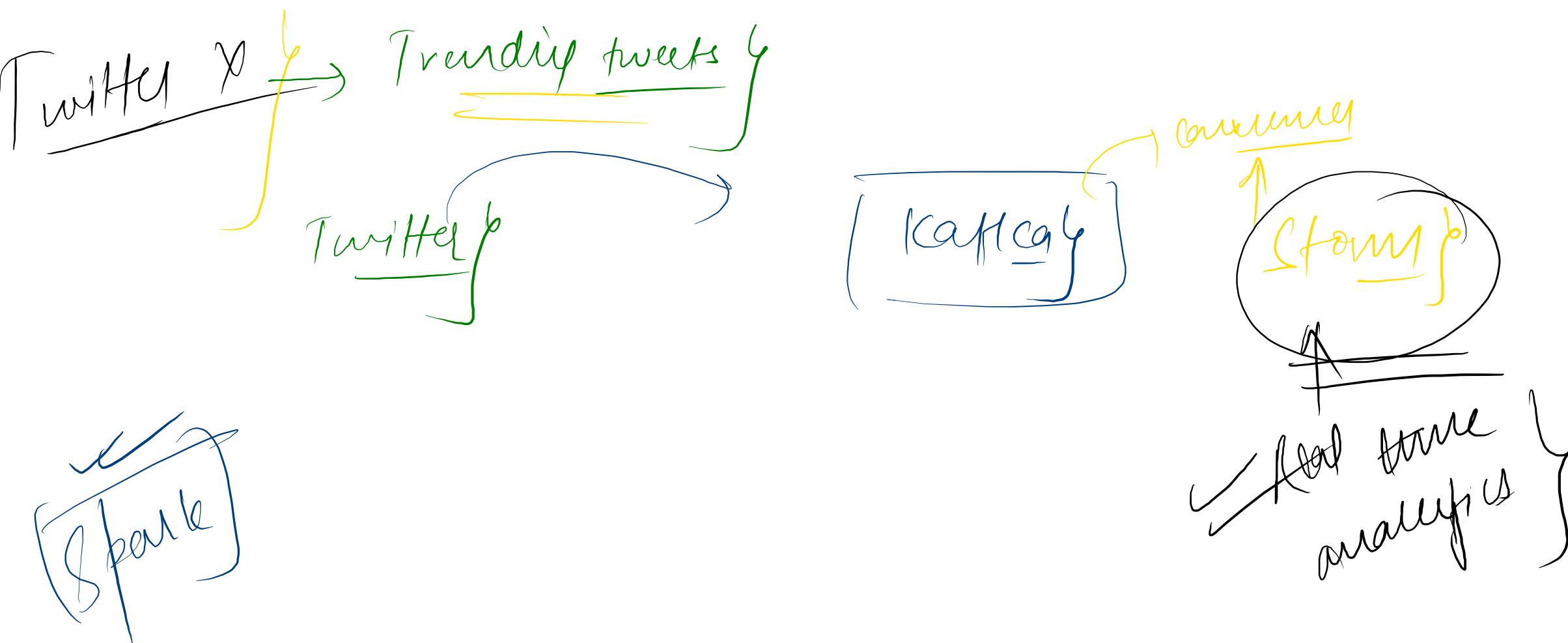


Kafka } → distributed } → large amount of data]

↓ Big data processing also]

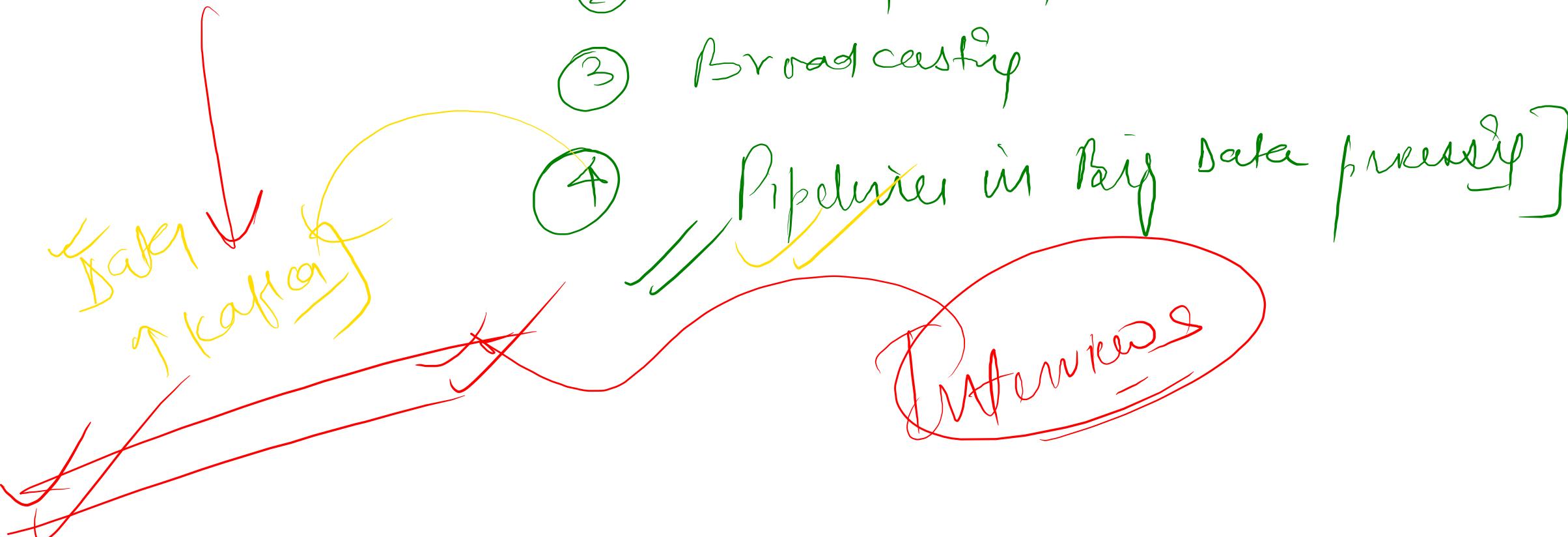
www.linkedin.com





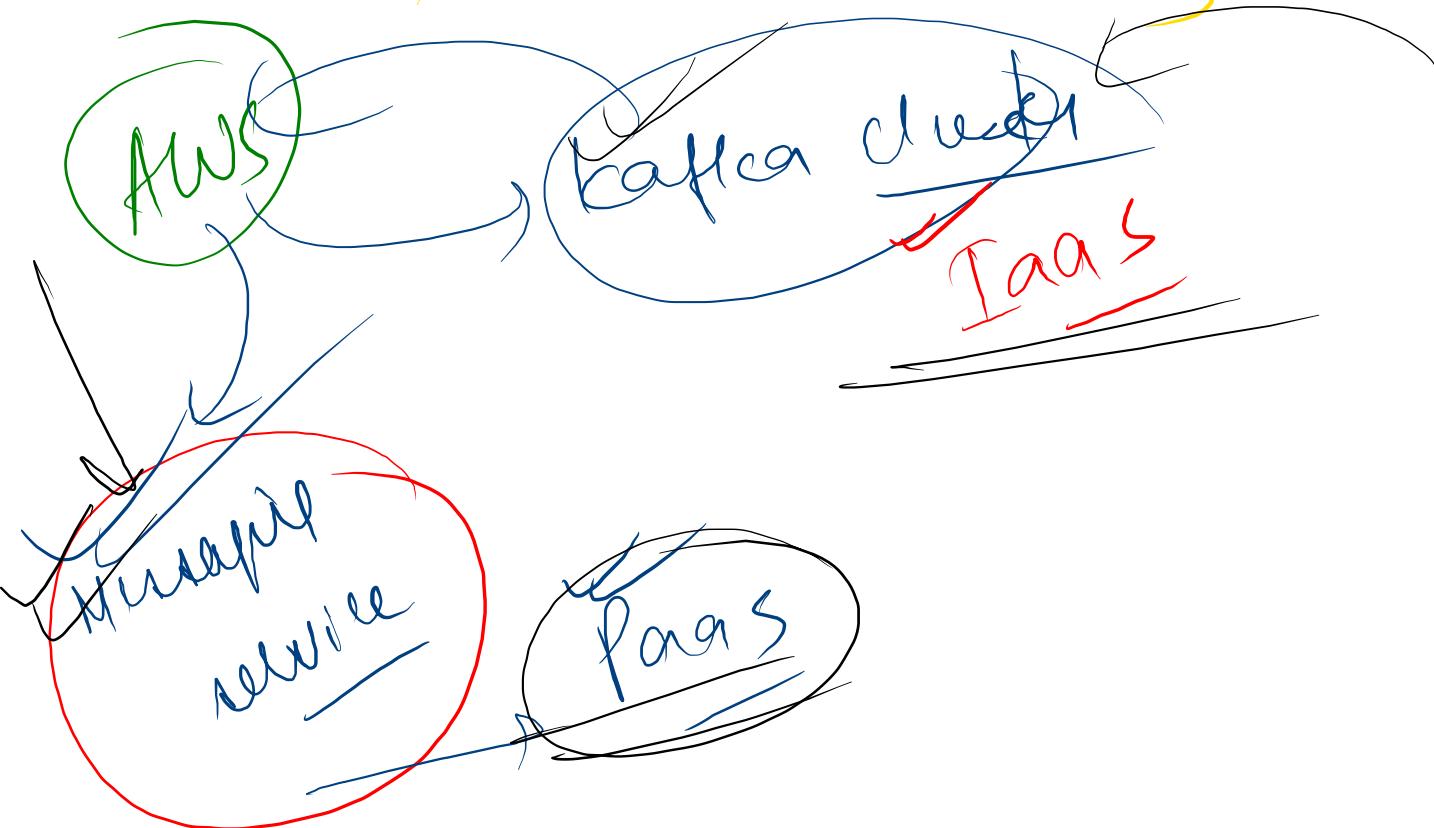
Message system

- ① Asyn processing
- ② P2P messaging
- ③ Broadcasting
- ④ Pipelines in Big Data processing

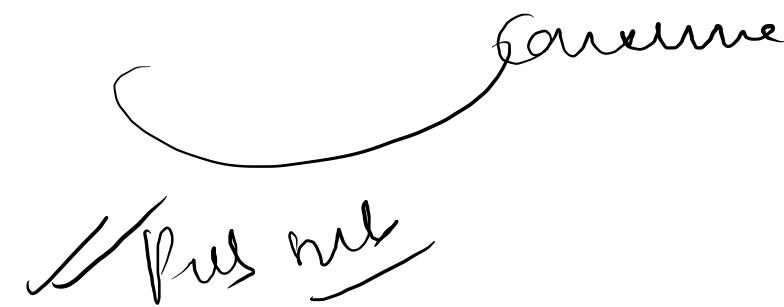
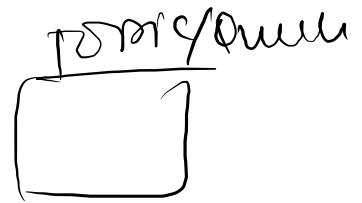


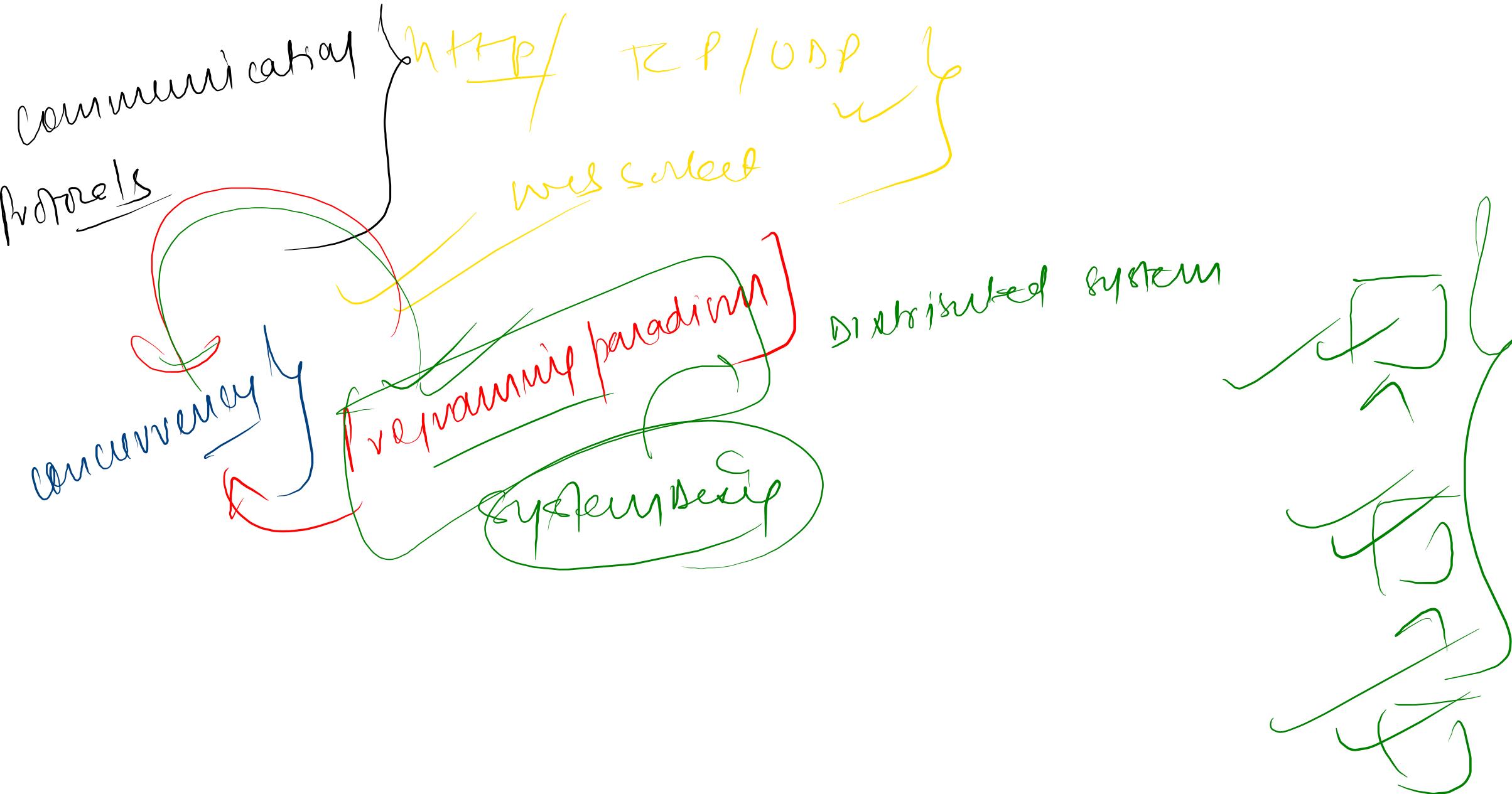
Cloud providers

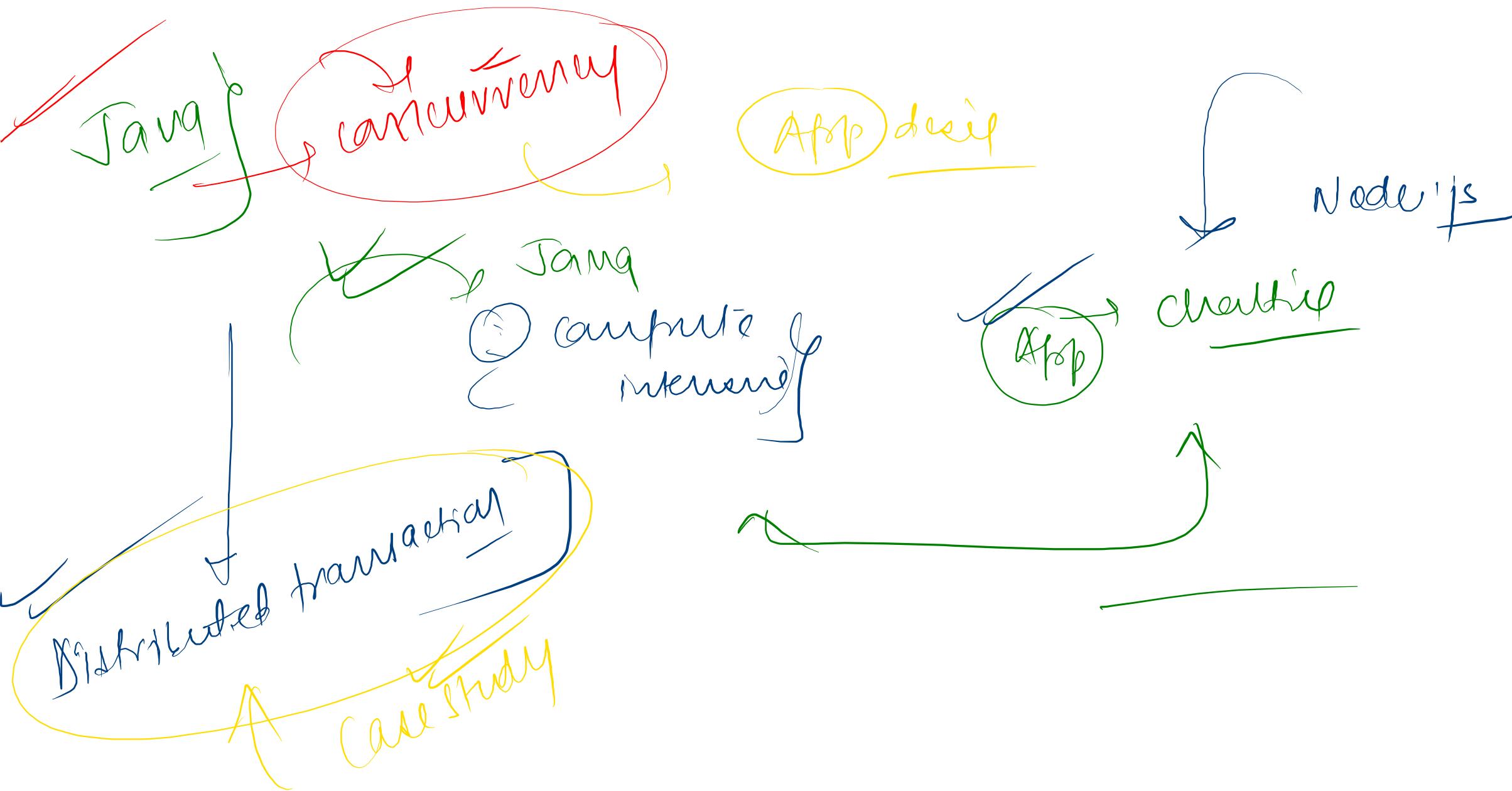
[Message system]



Pub/Sub



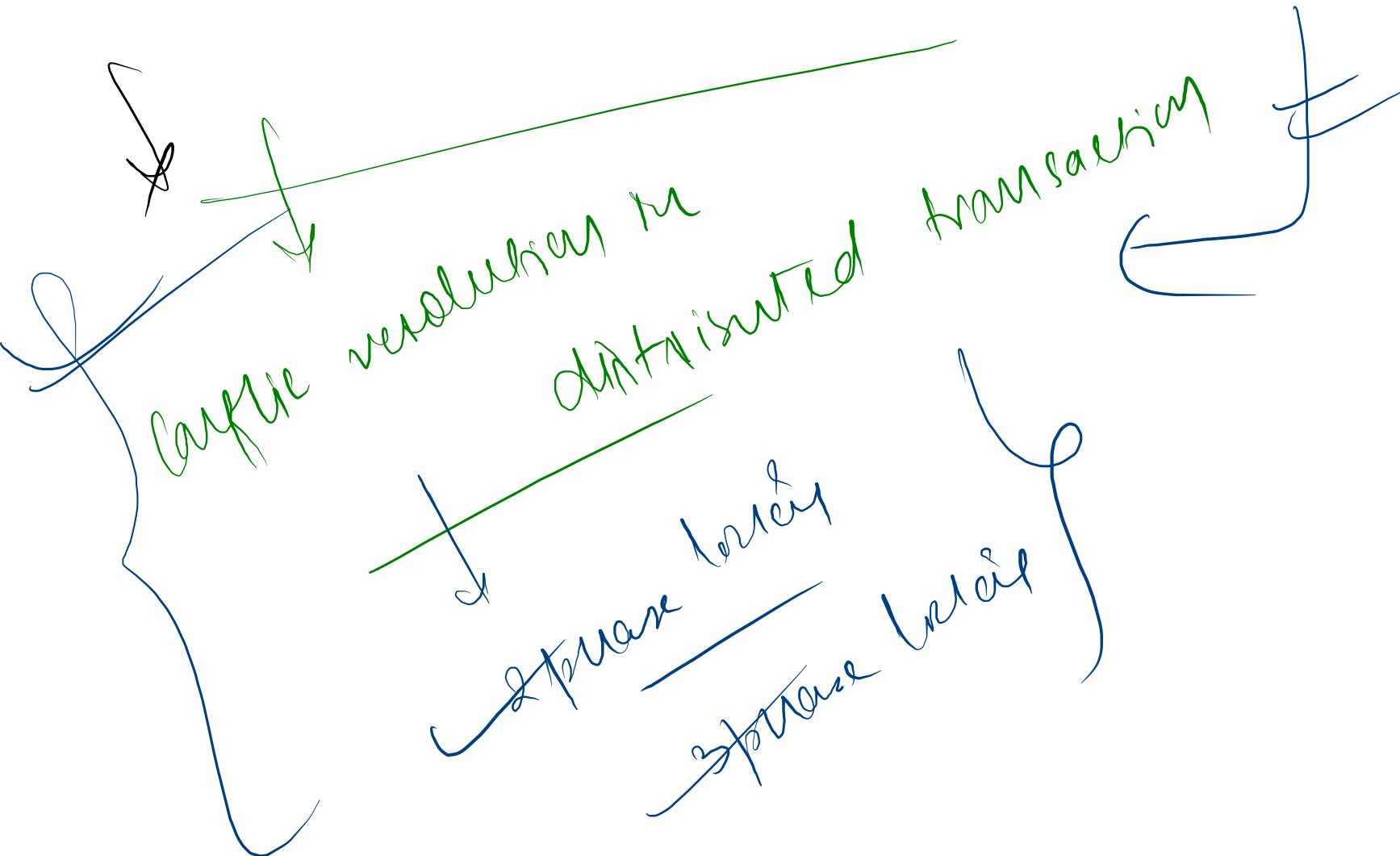




0 - 2 years

Led

KW skills Tech



if CTC
close