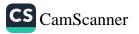
I a) Timeout: in this case, each one may submit a bid & highest bidder wins the item at The En b) Weit for all: all transactions processed & accounted for before end of day. c) External event: where petrol cars dispatched when external event occurs & closest car to location is sent to respond. d) wait for alli all nodes see same data at same time. & any updates are propagated to all nodes before considered complete. e) Timeout with override if someone bids more than 100K, he wins. If not highest bidder under local wins.

(2 a) publish-subscribe: the KatKa topic serves as publisher & Wifi consumers serves as subjectibers. b) Content-based: router could route massages based! on Context (type) of transaction.



E) Envelope urapper: Katka topic could add envelop to each message to add into (header) or to energy).

- Cantent filter: for security. d) Event driven Consumer, app automatically consume messages as they become ready. 3) Credit eard system design patterns: - channels: publish-subscribe to broad court notifications. To interested parties such as credit courd holders. point-to-point: communication between card holder & system. Invalid mossage: hardle error messages. Dead letter hardle & redirect failed messeges. Routers: Content based to route messages based or content. message filter: route massage based on prodefined criteria - Content enricher: enlance message content by adding additional into. Event-driven consumer: listen for a ents triggered by actions exp notify success of transaction.