

Receive new transaction

A received t to be sent to B next

Check A's queue

A's queue is empty

A's queue is non-empty

Check A-B channel for balance at A

A-B channel has funds available for t

No funds for t in A-B channel

Add t to the queue at A

Local actions at A

Send t out to B decrementing A's Balance

Add t to the queue at A

Receive at B, update balance

B receives t after a propagation delay - increments its balance

Check B's queue

B has a queue of transactions for B-A channel

B has no queued transactions for B-A channel

Final actions for this channel due to this transaction unit

Send out transactions to A from queued set

Process t at B for the next outgoing channel

Process t at B for next outgoing channel