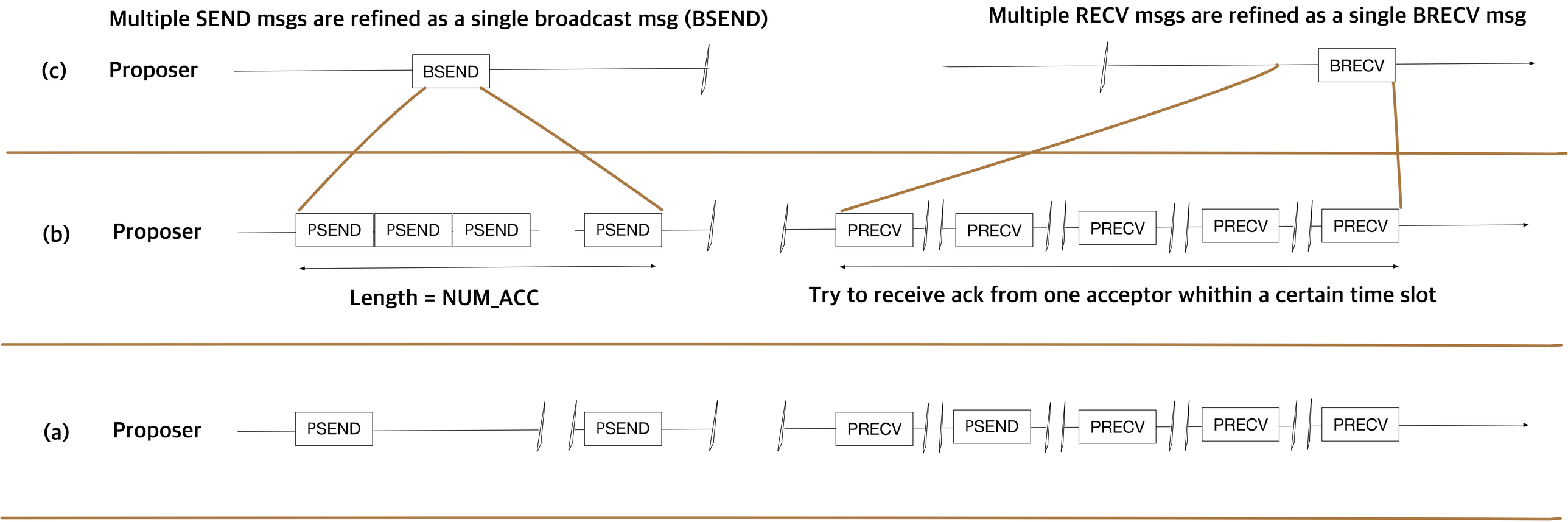

SEND Proposer -> Acceptor

PSEND (des) (msg)

BSEND (msg)

Acceptor -> Proposer

ASEND (cid) (des) (msg)

RECV Proposer <- Acceptor

PRECV (owner) (msg)

PTIME_OUT owner

BRECV (owner) (index) (addr) (prop) (msg)

BTIME_OUT (owner) (index) (addr) (prop)

Acceptor -> Proposer

ARECV (owner) (msg)

: Environmental steps (any nodes in the network can update packets that satisfies invariants)

(c) Intermediate level - Simplify communication

(b) Implementation level - Restrict SEND and RECV pattern

(a) Interface level - Arbitrary interleaving is possible in SEND and RECV