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Basic / Reliable Multicast
 Basic Multicast - B-delivery
           augranteed Delivery, unless multicast process crashes.
                               for peg, performing send (p.m)

send(m)

problem. Ack received on sender, at almost same time.

sender Ack receiver

if butt everflew, cause of dropping of ACKs

retransmit would create more ACKs
Reliable Multicast - R- multicost
Reliable Multicast - R- delivery
         Properties: a correct proc p delivers a msg at most once — no duplication / retransmission if a correct proc p multicast a msg, it would eventually deliver msg, (validity).

if a correct (on receiving) proc p delivers msg m, then everyother proc in group y would deliver msg m as well (equality)
         For proc p to R-multicost to group g:
          init: recv queue: {}
                                                                                                          , msq class + is Equal.
           send: for of in group (g):
                         B-unticast (g.m) + (pitself)
           recv: If sm & recv queue -> recu queue += sm) (non-duplication).
                        then reply D with Ack (Agreement), send in to any other proc in g, if (9+9).
                       pass msg m to process ong
Sequencer TO
    * for proc in groupg:

sending: B-nmulticoast Kmsq.i> to gU{sequencercy}} > id-proc

receiving: msq < m, i> from peer: hold-back Q+=<m.i>

sequencer, wait until S== rg.
                        seg msg < order, 2, 5> from sequencer, wait until S == rg, -> deliver m in holdback Q (To-deliver)
rg = St1
  * for sequences of g.
          receiving: <m. i> -> B-multicast <order, i, Sg>,
Sg+t.
           msq + id, class. J
           sequence2, 93
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