CSE 434

Reasons for Bit Errors

Sender

Channel

Receiver

10

→

Noise

Why

End Host

need to

check for errors.

1) Links may not be reliable.

2) Error in routers

2/16/06
Other kinds of errors

1) Loss of Packet
   Buffer Overflow
   - finite capacity at each router
   - congestion control
     to limit loss due to buffer overflow

2) Reordering of Packets:
   - different delay
   - sequence number to detect packet reordering
while (true) {
  switch (event) {
    case ROLL:
      event = ACT3;
      x += 2;
      y += 3;
      
    case ACT3:
      event = ROLL;

    default:
      event = NULL;
  }
}