

```

RDT_send(data)
if (nextseqnum < send_base+N) {
  sndSgmt[nextseqnum] = make_segment(nextseqnum,data)
  UDT_send(sndSgmt[nextseqnum])
  start_timer(nextseqnum)
  nextseqnum++
}
else
  refuse_data(data)

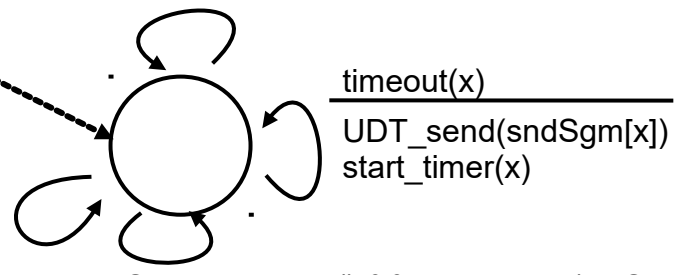
```

```

send_base=1
nextseqnum=1
forEach y: isAckedSgmt[y]=false

rcvSgmt=UDT_rcv() &&
( corrupted(rcvSgmt) || ! isACKinWindow(rcvSgmt) )

```



```

rcvSgmt=UDT_rcv() && ! corrupted(rcvSgmt) && isACKinWindow(rcvSgmt)
y=getacknum(rcvSgmt)
isAckedSgmt[y]=true
stop_timer(y)
If (y==send_base)
  while (isAckedSgmt[send_base]==true && send_base!=nextseqnum) do
    {isAckedSgmt[send_base]=false; send_base++}

```

Λ

```

rcvSgmt=UDT_rcv() && (corrupted(rcvSgmt)||
  !isInEWindow(rcvSgmt))

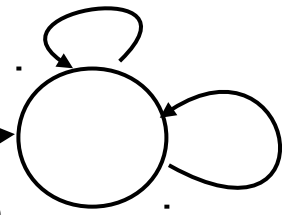
```

Λ

```

rcv_base=1
forEach y: isReceivedSgmt[y]=false

```



```

rcvSgmt=UDT_rcv() && !corrupted(rcvSgmt)&&isInEWindow(rcvSgmt)
y=seqN(rcvSgmt)
if (isReceivedSgmt[y]==false)
  {rcvSgmt[y]=extract(rcvSgmt); isReceivedSgmt[y]=true}
sndSgmt = make_segment(ACK,y)
UDT_send(sndSgmt)
if (y==rcv_base)
  while (isReceivedSgmt[rcv_base]==true) do {
    deliver_data(rcvSgmt[rcv_base])
    isReceivedSgmt[rcv_base]=false
    rcv_base++
  }

```