Experiment -13+

0)60) Muste a broducen per confestion control using leaky bucket algorithm.

#include < state. h> # include (stallib. h> # include (unestal. h)

# define NOF\_PACKETS 5

int rand (inta) morandom. ant on = (random () % 10) % a;

or here defended for

return m ==0? 1: 16his

# Polude < Stallb. h> long ent random (void);

The random() function uses a nonlinear additive feedback random number generator employing a default table or size 31 long anteger to return successive pseudo-random number in the range from 0 to RAND, MAX.

The period of thes random number guerator 95 very large, approx 16 \* ((2 ~ 31) - 1)-

ent maine) Int packet\_sz [NOF PACKETS] ?, clk, b-size, o- rate, p-53- rm=0, p-58, p-time, op; Reccour 1=0; 6< MOB-BACKELZ; ++1) packet - 53 [:] = random () 0/0100; for centi= 0; t < NOF\_PACKETS() ++i) printy (" In packets [10d]: of d' bytest", 9, packer- 53 (3); scange" of d", 40-rate); print (" Enter the Bucket - size: "); " scary (" % a" , & 6-5930); for ( ? = 0; 9< NOF\_ PACKETS; ++1) if (packer-sz [i] + p-13-rm) > 55:3e) Er (packer- = 3 (: 3 > 6 = 5:30) print ("Inin Incoming packet size (glod bytes) is areater than bucket apacity ( ! led bytes)-PACKET REJECTED", Packet - 18/1), b-513e); printy (" mm Bucket apacety exceeded - PACKETS RESECTED!!"): p-52 - rm + = packetis & [8]; frint / 1" horn Incoming packet size: ·/·d; packed-sz [i]), printf (" In Bytes remaining to transmate -1-d", P-53-5m);

11 p-+me = random () \* 10; a brings ( ,, in some take her transmission: · (6d unets ", p-4me); 11 for lak = 10; ak <= p-time; ale += 10) morale (b-23-22) d steep(1); 5/cb-08-xw) 28 (p-58-8m <= 0-rate) ob = b-28-2w , b-18-2w=0; op = 0= 0= 0 = 0 - rate. prints ("In Packet of size olod transmitted" printy (" ---. Byres Remaining to the elver and at last in it is printy ("In No packets to framework; [, ")? Contract to the same of the same ent of a segment of the second second

12 ( 12 7 B = 1 out put: parket 10]: 83 bytes packet [2]: 86 bytes

Packet [2]: 77 bytes 137: 15 bytes Parket LAJ: 32 phesis 1 15 mil your last Packet the output rate & 304.440 20 20 enter the Bucket Size = 85 ENTEN "L.O. O. FEI" & DIAPH YAVOUR incoming Packet size :08361 a draf parase Bytes remaining to the transmite : 830000 packets of 513e 30 transmitted -...

Bytes remaining to transmitted -::

Packets of 513e 30 transmitted -:: Bytes Removing, to revansant = 03 packels of 5:30 230 77ansmitted --Bytes remaining to transmit: 0 (("9-for a second . decode (" utf-8.)) 26/12/24 # for " to file contents; (をからいにから) 必然のかままります (2382L), the second 26 (Julian . Julian is and in 37.400000000 , Assolus, some work is such is obot most se SOTTER SOLL : SOLLER (AR INCT, SOLK-PINEAM) (O 29 yourse, "1.0.0.10.10. See wy Po B) (" or i and of the order of a source of