Write a program for congestion control using Leaky bucket algorithm

for longest ion control warry Lewing Bucket algoridaming 1: 21 id 2000 1 x 100 A mande estations of pribarys a results server int incoming outgoing, buck , Size, M, Storeio, 0 Birt f (" Encer bruket Size, cour going take, no of inkles: "15, sunt (" yed 'Adred" & breaker - sixe, boutgoing, &n While Cn1 = 000000000000 Point f(" enter lake incoming Packet Size: "); sunt (" ".d", & incoming). Bohnt (ng reaming parket Singe i. of mil, ireaming) of cincoming c= (budget-size. - Store)) Stere + = incoming; Print Ch Bruket bribber size red out ob rdvi Steere, built-size); Essent ("Doorper 1.0) no ou Packets Wil incoming - Chuck-Size - Store); Point (Busher busher 5: 30 " out at 7 d'il Store = buck - size; Store = Store - out going;

Port f C" Atoos Owgoing 7. d Pavets left and of 7. d in 6 motor in', store, bude Size; ender buckersize, outgoing rate and no at MRN8: 20 10 2 00081-Enter the incoming Parket Size: 30 Incoming Parket Size: 30 Dropped 10 no 06 Particles Bourset butter Size o out of 20 After outgoing to Portale lebt out of 30 in Grupe enter the incoming Parket size: 10 Graming Packet Size 10 (1920) Bucket butter Size Do out of 20 After outgoing 10 Parket left out of 20 in bulber This & leavy burlet algo used to regular retwork + soulder. It towns input for burket size, outgoing sale mo object for each Parker; 1. InPut the Payest Size. 2. it larries enough stare in the bubby, add he Power size to it. 3. If not, down he brees powers and Set, he lust or reduct N. Simulace outgoing Paraus & & subtracting outgoing rate from butter. 5. Report For all Paraets.

Output:

Enter bucket size, outgoing rate and no of inputs: 10 10 2
Enter the incoming packet size : 30
Incoming packet size 30
Dropped 20 no of packets
Bucket buffer size 0 out of 10
After outgoing 0 packets left out of 10 in buffer
Enter the incoming packet size : 10
Incoming packet size 10
Bucket buffer size 10 out of 10

After outgoing 0 packets left out of 10 in buffer