

Leaky Bucket

Kishanprasad V
18 M1/CSO 47

congestion control
def ~~def~~ (size, input, output):

buffer = 0

for packet in input:

$x = \text{size} - \text{buffer}$

if packet < x :

buffer += packet

print(f'output: {buffer}')

else:

print(f'Packet loss: {packet - x}')

buffer = size

print(f'buffer: {buffer}')

buffer -= output

while buffer:

sent = output if output < buffer else buffer

buffer -= sent

print(f'Buffer: {buffer} \t Packets sent: {sent}')

def main:

input = [int(x) for x in input("Enter input stream of packets: ").split(' ')]

bucketSize = int(input("Enter the bucket size"))
output = int(input("Enter output data rate"))

~~congestion control~~

congestion control (bucketSize, input, output)

main()