Knethik Venupopal Leaky Bucket 14/12/2020 1 601865043 WritiBP class Leaky Bucket def -init - (self, bucket-size, ingit-strion, output rate). self. size = broket-size self queve = input stream Silt. flow = output - vate def control-congestion (self): buffer = 0 for protet in self-queue: print (5" Incoming racted: Spacket?") n = self.size = buffer if packet <n: y u Ster + = packet grint (5" Packets sent. Eself. Flow 3 Inbuffer: Ehoffer3 (n") print (5 "facket loss: Epartet -x3 elsi: (+ lackets sent : Esels flow?") buffer = self size print (f" Bustin. Eloster 3 /0") buffer -= self, flow

print (5" poten: ? toffer3 It lackets sent: Esels. flow?

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while to fee.

Sent = self flow if self flow & buffer else fuffer buffer -= sint

print (f" putter: { butter 3 H lackets sent ? sents)

input-stream = [int (a) for Min input ("Enter input stream of yackets: ") split (")]

pucket-size = intlingut ("Enter tucket size:"))

output-rotizin- (input (Enter output data vitie"))

network = Leo Eybucket (bucket-size, inpot-stream, ported-rate)

network.control-congestion()