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```
def leaky_bucket(output, bukket_size):
    print(f'The output rate is : {output}')
    print(f'The bucket size is {bukket_size}
                capacity');
    packet_no=int(input('Enter no.of packets you
                wish to sent:'))

for i in range(packet_no):
    packet_size =int(input('Enter packet size:'))
    if packet_size <=output:
        print(f'packet number {i}
                Packet size {packet_size}=>')
        print('Bucket output successful')
        print(f'Last {packet_size} bytes')
    else
        Print(f('packet number {i} /packet size
        pos {packet_size}=>')

        sent= packet_size-output
        print(f 'last {sent} bytes sent')
    else:
        print(f('packet number{i} /
                packet size{p}=> ')
        print('Bucket Overflow')

output= int(input('Enter Output Rate:'))
bucket_size=int(input('Enter bucket size:'))
leaky_bucket(output,bucketsize)
```