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CN Lab Writeup (Leaky Bucket)

```
bsize = 512

def bucketinput (a, b):
    if a > bsize:
        print ("Bucket overflow");
    else:
        time.sleep (0.5)
        while a > b:
            print (b, " bytes output.")
            a -= b
            time.sleep (0.5)

        if a > 0:
            print ("Last", a, " bytes sent");
        print ("Bucket output successful");

def main():
    print ("Enter number of packets")
    n = int (input())    print ("Enter output rate").
    for i in range (n):        op = int (input()).
        time.sleep (random. randrange (0, 1000))
        psize = random. randrange (0, 1000)
        print (" Packet no:", i, " Packet size = ", psize)
        bucketInput (psize, op)
```