(In this example buf has size 24.)

Initial state

buf

inbuf = 0
room = 24

First read returns 10

buf

inbuf = 10
room = 14

Second read returns 11

buf

inbuf = 21
room = 3
Now we have a full line to print so we want to remove it from the buffer and shift over everything after the new line.

buf: A s
inbuf = 3
room = 21

after