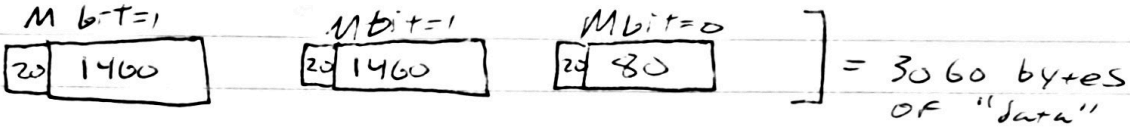
3000 bytes

Host A → Router A

802.11 MTU = 1500 bytes

1500 - 20 - 20 = 1460 data bytes

Ceil(3000/1460) = 3 Fragments



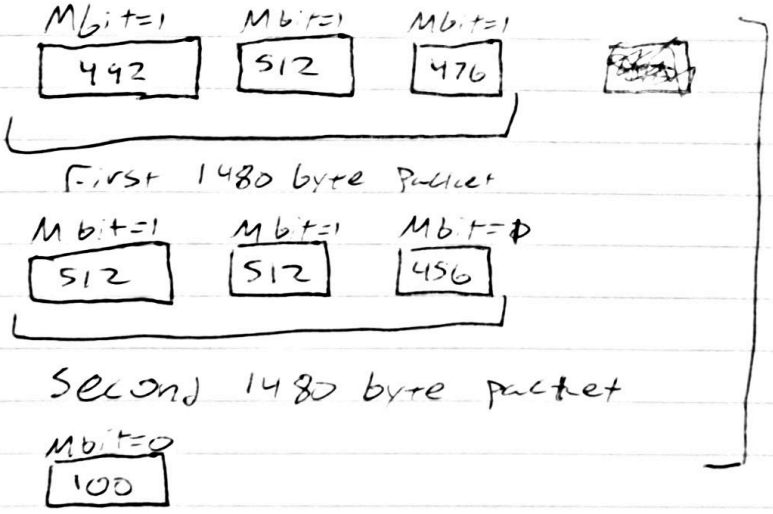
= 3060 bytes of "data" sent to PPP rcved by

Router A → Router B

PPP MTU = 532 bytes

First packet size = 532 - 20 - 20 = 492 bytes (TCP, IP)

Remaining packet size = 532 - 20 = 512 bytes (IP)



= 3060 bytes of "data" sent over PPP, 3000 bytes of data and the 60 bytes added at the 802.11 IP headers

No more Fragmentation required because Ethernet MTU > each PPP packet size

1) Host B then gets 10 Fragments, 7 from PPP and 3 from 802.11
2) 2 fragments the last from 802.11 and the last from PPP
3) 100 bytes - 20 from IP header = 80 bytes