

B. If routers did the reassembly, they would have to drop packets because of how long the reassembly would take. They made need to be fragmented again on the way to the host so it could be redundant. Also the packets could arrive at different times so that would cause a lot of delays in the router.

C. MTU: 4096, IP length packet: 2068, Offset: 0, more bit: 0, Bytes TCP header: 20, Bytes App data: 2048

MTU: 1024, IP length packet: 1024, Offset: 0, more bit: 1, Bytes App data: 1004

MTU: 1024, IP length packet: 1024, Offset: 128, more bit: 1, Bytes App data: 1004

MTU: 64, IP length packet: 60, Offset: 256, more bit: 0, Bytes App data: 40