Performance O ping of 100 kB. Ping means sending the RPC result back. a. send time = 100 kB/1 6 bpc $= \frac{109 \, \text{Flo}^{3} \, \text{xlo}}{10^{9} \, \text{slo}^{3} \, \text{slo}^{-3} \, \text{s$ 6. process time = 6 rounds x 100 kB (5 $= \chi \times \frac{(00 \times 10^3)}{\sqrt{10^3 \times 10^6}} S$ = 10-4S = 100 US c. send vesponse back = send time= Ims (2) writes of IMB. Write mens responses of about 100 bytes. a. sent time = 1 MB b. process time = 7 rounds x [MB] = 100 x 10 = MS

C. send pesponse back = 100 bytes
1 Gbps $= \frac{100 \times 6}{109} = \frac{103}{109} = \frac{100}{5}$

Let's say lus to lous, based on the emptrical overhead the book shows.

of (141B. 100 bytes requests and IMB regionse. a. sent time = 1 n lo us.

b. process fine = [NTC] Kernel buf User buf I Value String
RW RW R Pata Strut =5x 1mB 6780MB/s = 0.7 ms 0.9 ms I doubt think the compiler will optimize it to 5.

C. Send response back = IMB = loms