Performance ping of 100 kB. Ping means sending the RPC result back. a. send time = 100 kB/1 6/6pc  $= \frac{109 \, \text{Flo}^{3} \, \text{xlo}}{109 \, \text{slo}^{3} \, \text{slo}} \, 8 = 10^{-3} \, 8 = 1 \, \text{ms}$ 6. proces time = 6 rounds x 190 kB
44 GBPS = 14 US c. send vesponse back = send time= Ims writes of IMB. Write means responses of about 100 bytes. a. sent time = [MB  $= \frac{10^{6} \times 8}{10^{9}} = 10^{-2} S = 10^{9} MS$ b. process time = 7 rounds x 118/1 B = 160 US

C. send pesponse book = 100 bytes 44 Grbps  $= \frac{x6}{109} = \frac{103}{109} = \frac{103}{5}$ 

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

of [1818. Loo bytes requests and IMB regionse.

a. sent time =  $\frac{100 \text{ bytes}}{166 \text{ps}} = \frac{103}{109} \text{ s} = 1 \text{ us}$ 

b. process fine = [NTC] Kernel buf User buf Value String RW RW R Pata Strut =5x 1mB 48 Gibps = 100 US I don't think the compiler will optimize it to 5 tho.

C. Send response back = IMB = 10 ms