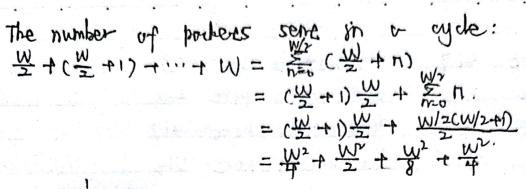
P1. describation = part = 23 a) sturce port: 467 descination purc: 23. b) source port: 513 destination port: 467 c) soutce port 23 destination part: 513 d) source port: 23 e) his possible. f) The source pure numbers can't be the some. NET INTHEMET PROFILE Pzb a. The size of the Mos is irrelevant, it's 232 & 419 Grb. b. Segement number is $\left[\frac{2^{12}}{5\%}\right] = 8012 \%$ th bytes of header can be added to each segement. 30 His 578857 934 bytes of header. Total number of transmitting bytes is 232 to 2885 7 834 so se would repe 249 seconds to transmit these files. P32 a) Estimated RTT(4) = > 5 ample RTT, + (1-x) [x Sample RTT2 + (1-x) [x5ample RT] + (1-x) 5ample RT[4]] = > Sample RTT. + (1->) > Sample RTT- + CI-x) > Sample RTT + CI-x) > Sample RTT + b) Estimated RTT(1) = x = (1-x))-15 ample RTT; + (1-x))-15 ample RTTn () when no wo im Esesmaned RTT (1) = 1/2 JET (1-X) Jample RTT; = g 等 gs Jample RTTi. P45 a) I equals number of packers lose divides the number of . powers, sent,



L = 30+4W b. If w is large \(\frac{3}{8}W^2\) is much larger than \(\frac{2}{4}W\).

L \(\mathreal\) \(\frac{8}{3W^2}\) werage throughput = \(\frac{1}{4}W\) \(\frac{MSS}{ROT}\)

P54 Advantage: 7 cp wouldn't need to go through slow start and congestion avoidance to temp up to the through put value obtained at e,

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Disadvantage: They might be inaccurate.