

Lab 9

QANDA

1) Is the bulk transfer likely an upload or a download? Explain your reasoning.

The bulk transfer is likely an upload because the source address starts with 192.168, which always indicates a local ip address.

2) Complete the following table (show work for sRTT):

Segment no.	length	Seq no.	Sent at	Ack'd at	RTT	sRTT
1	62	232129012	0.0000	0.023172	0.023172	0.023172
2	62	883061785	0.023172	0.023265	0.023172	0.023172
3	54	232129012	0.023265	0.26477	0.000093	0.0185562
4	619	232129013	0.26477	0.041737	0.023265	0.01949796
5	1514	883061786	0.041737	0.053937	0.023265	0.020251368

If $\alpha = 0.8$

Segment 2 sRTT Calculation: $\alpha(0.023172) + (1 - \alpha) \text{RTTs} = 0.023172$

Segment 3 sRTT Calculation: $\alpha(0.000093) + (1 - \alpha) \text{RTTs} = 0.185562$

Segment 4 sRTT Calculation: $\alpha(0.185562) + (1 - \alpha) \text{RTTs} = .01949796$

Segment 5 sRTT Calculation: $\alpha(0.01949796) + (1 - \alpha) \text{RTTs} = 0.020251368$