Site chosen: www.youtube.com

a)

pinging youtube
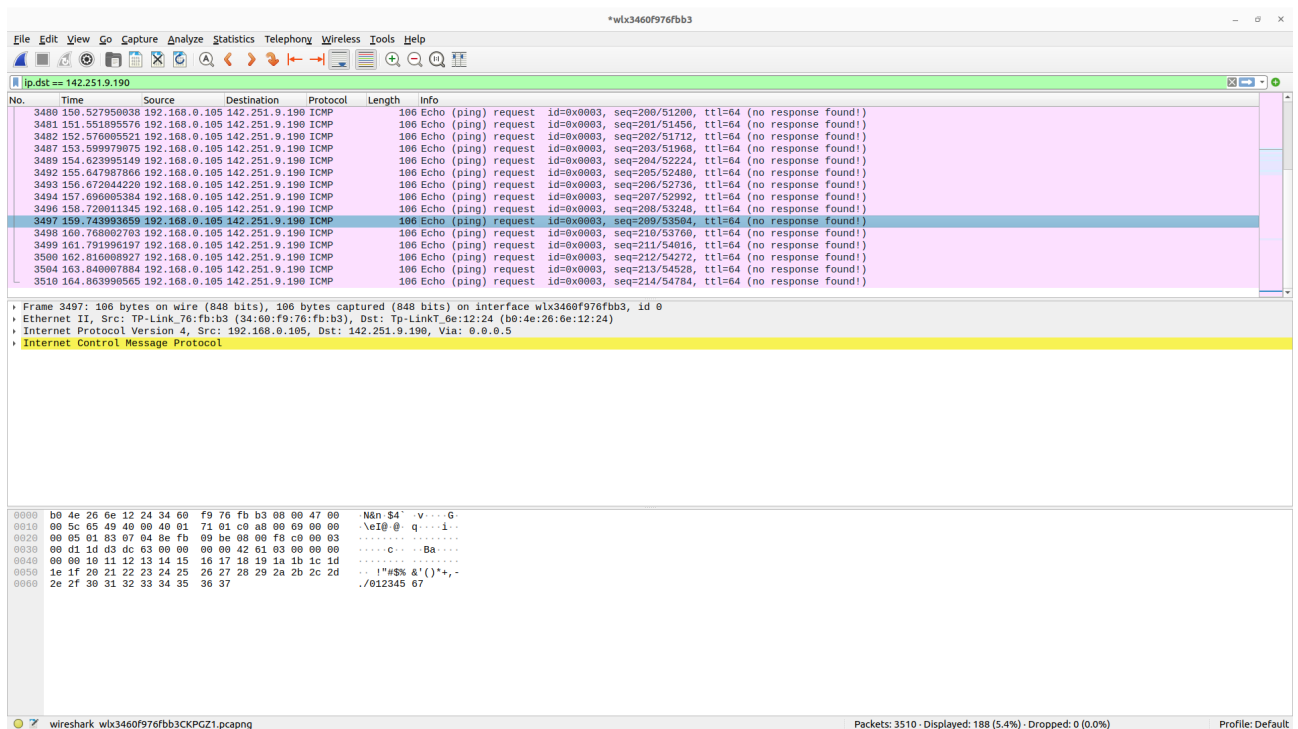
wireshark image of packets filtered by destination IP

b) 142.251.9.190

c) I have captured 3510 total packages as seen on the wireshark image. By filtering by destination IP I can find every ping I sent to 142.251.9.190
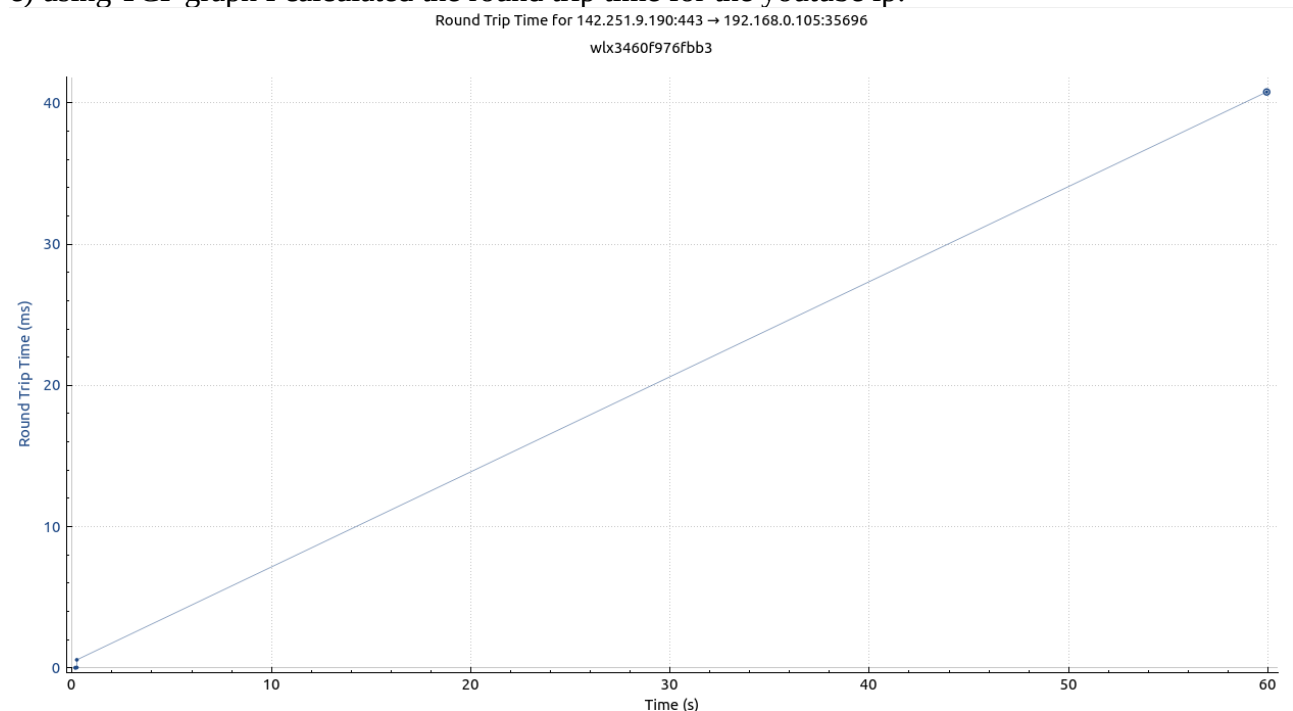
by copying and pasting into a spreadsheet I get the total number of packets captured from that IP: 1
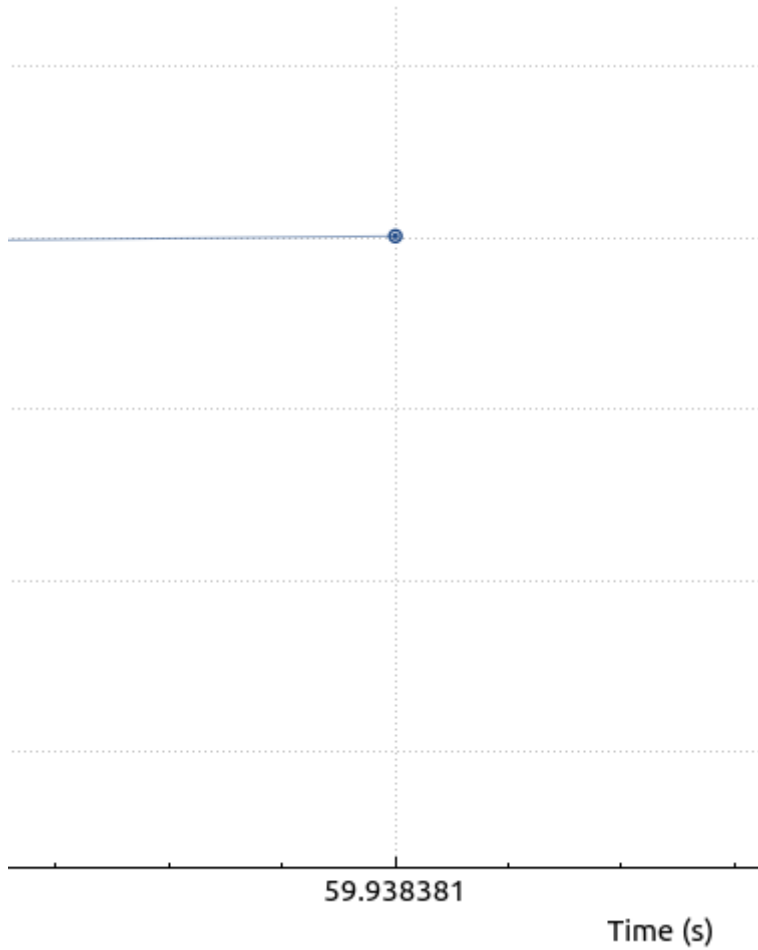

my spreadsheet then tels me that from youtube I have captured: 188 packets

d) ICMP as seen in the protocol column of the wireshark image

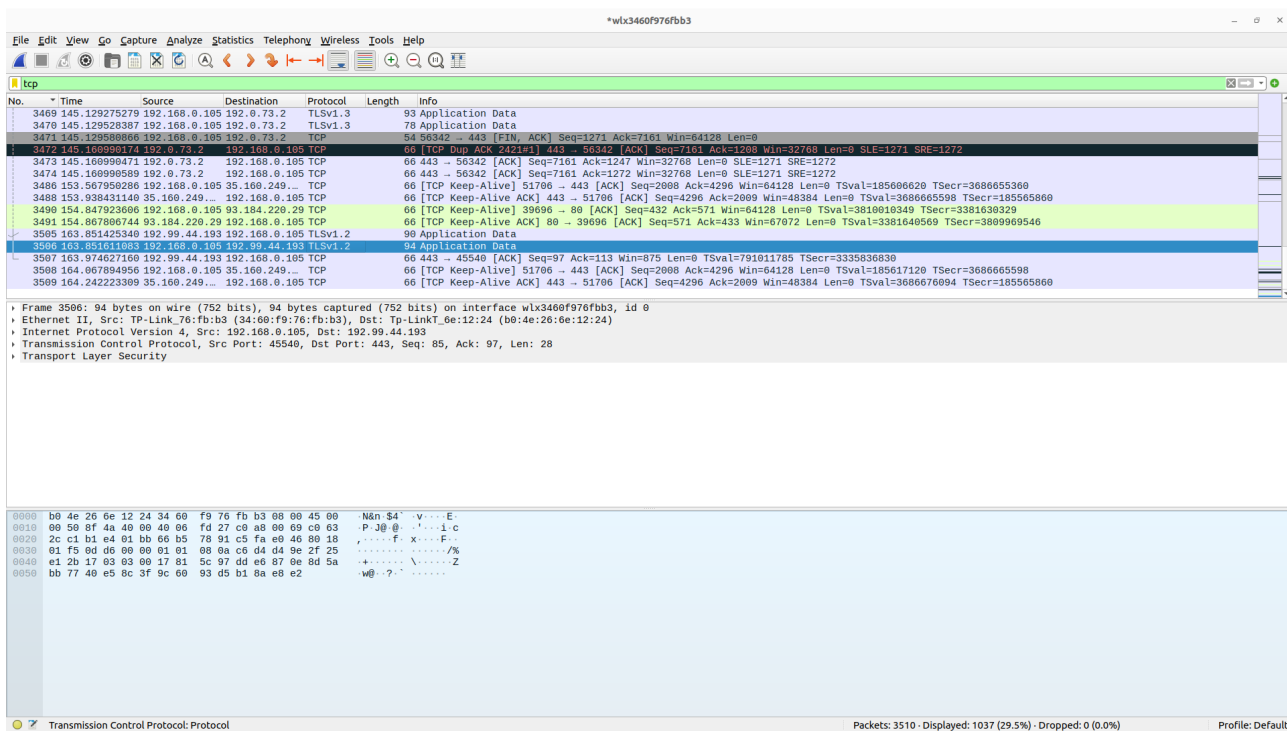e) using TCP graph I calculated the round trip time for the youtube ip:

59.938381

Time (s)

is the total round trip time for youtube, but no ping was received.

f)

by writing "tcp" into the display filter I get all packets sent with the tcp protocol
ass we can see in the packet details TLSv1.2 is a type to tcp protocol.

By using statistics > IPV4 statistics > IP protocol types I get:

telling me that of 3503 packets 1037 are of the type TCP