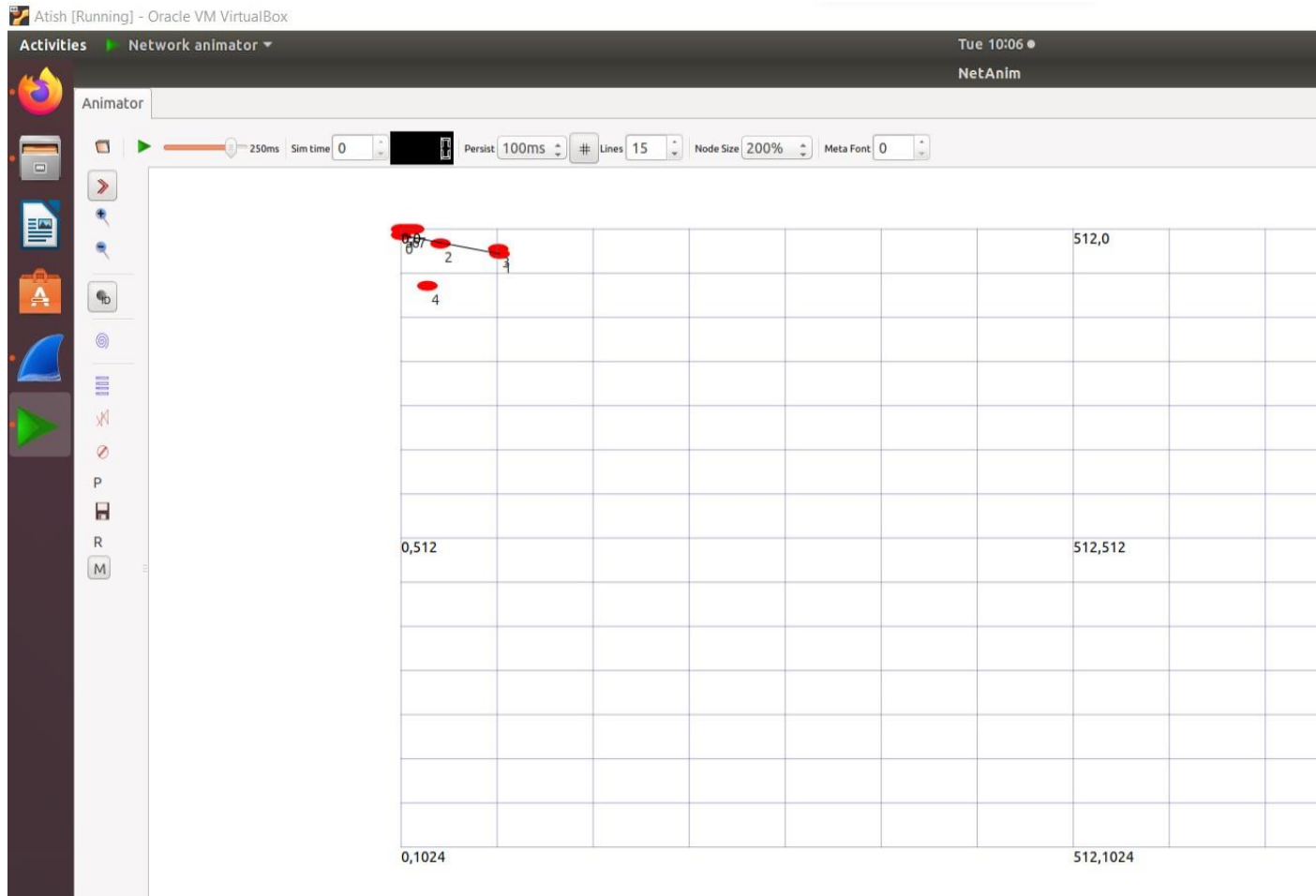
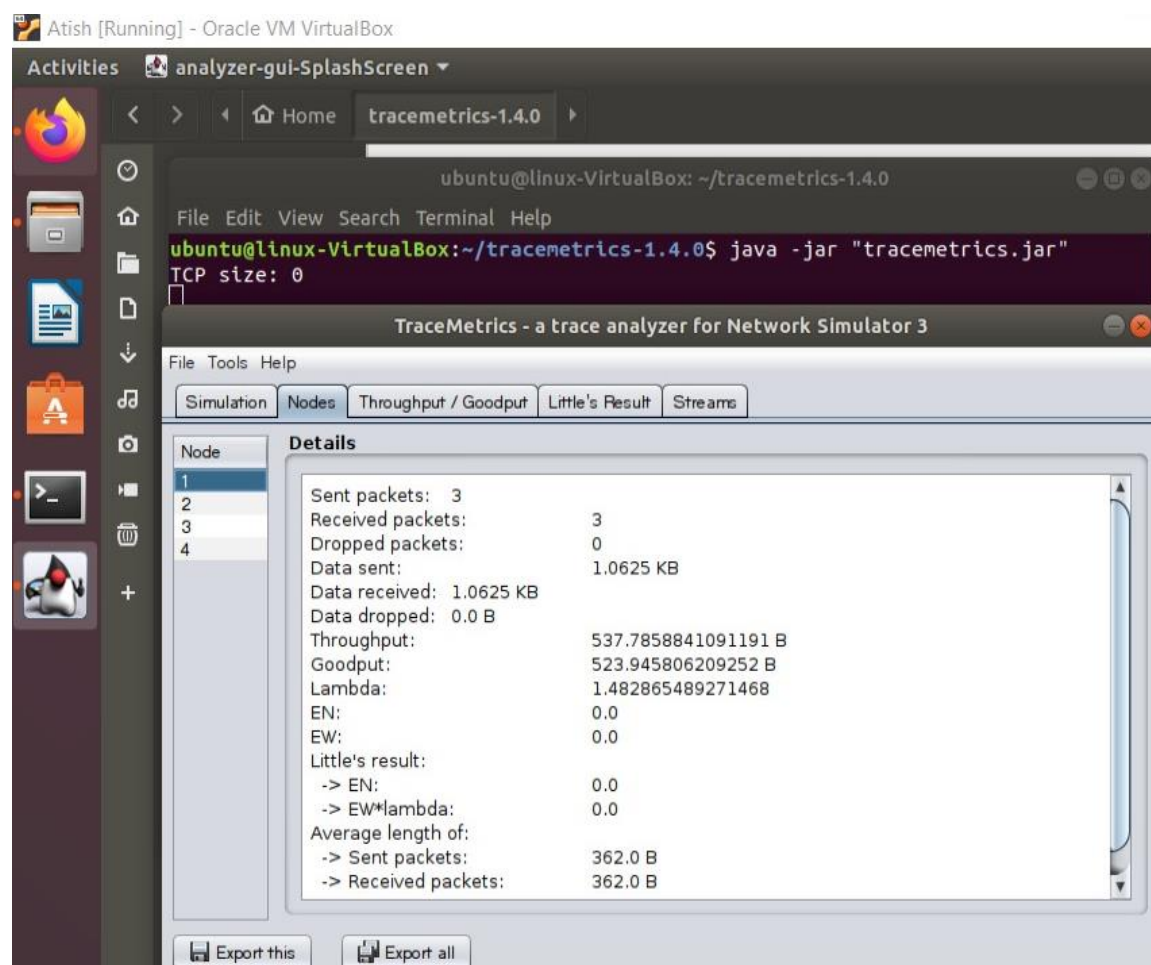
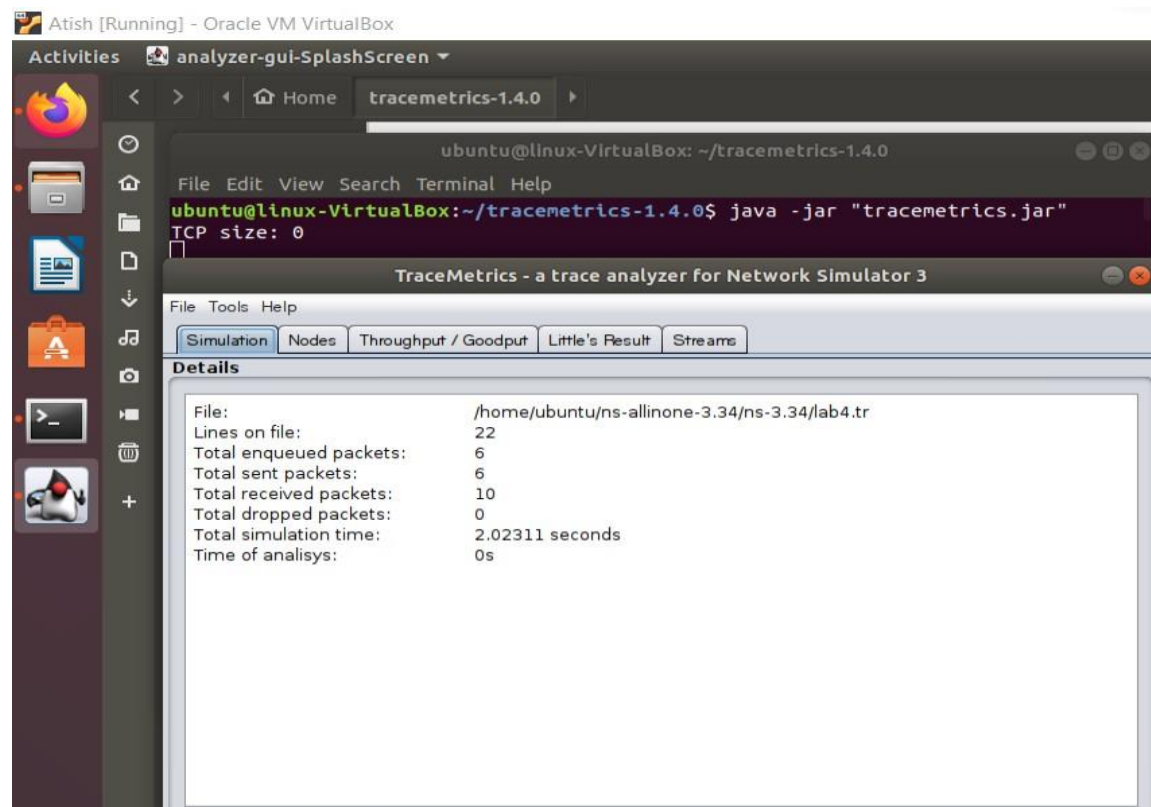
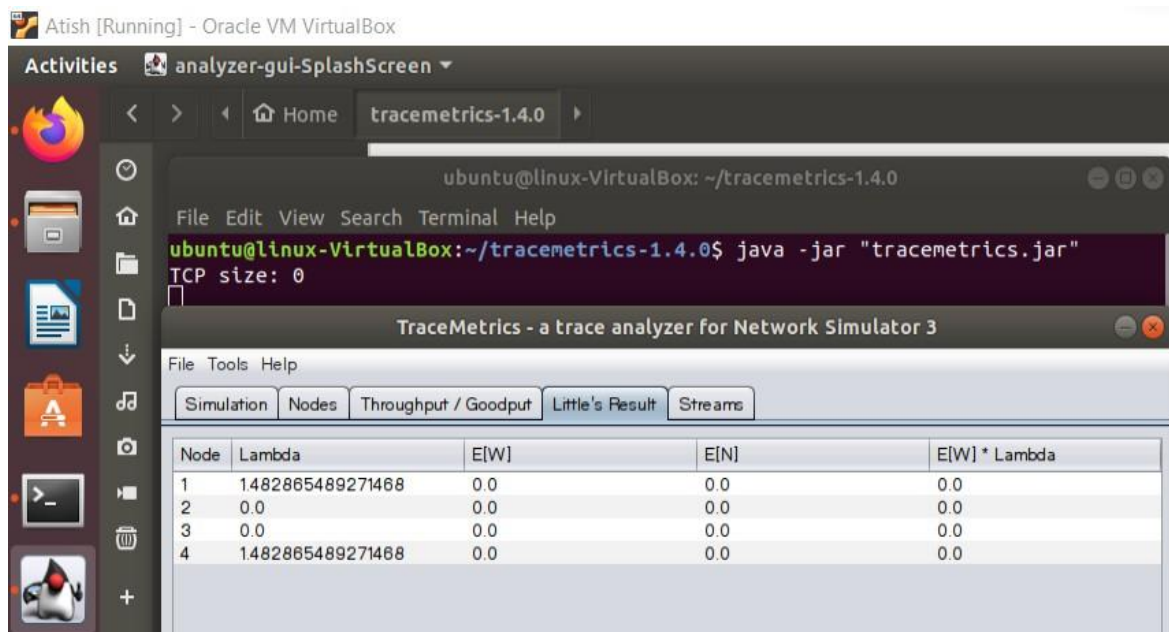
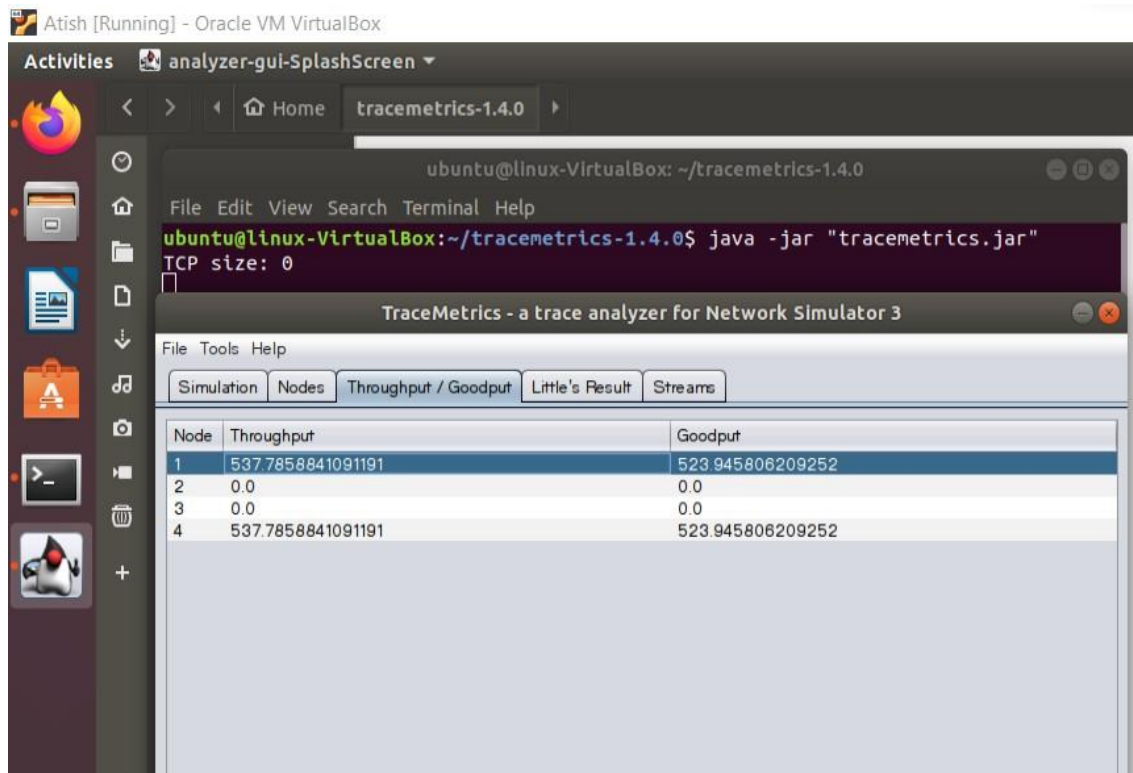
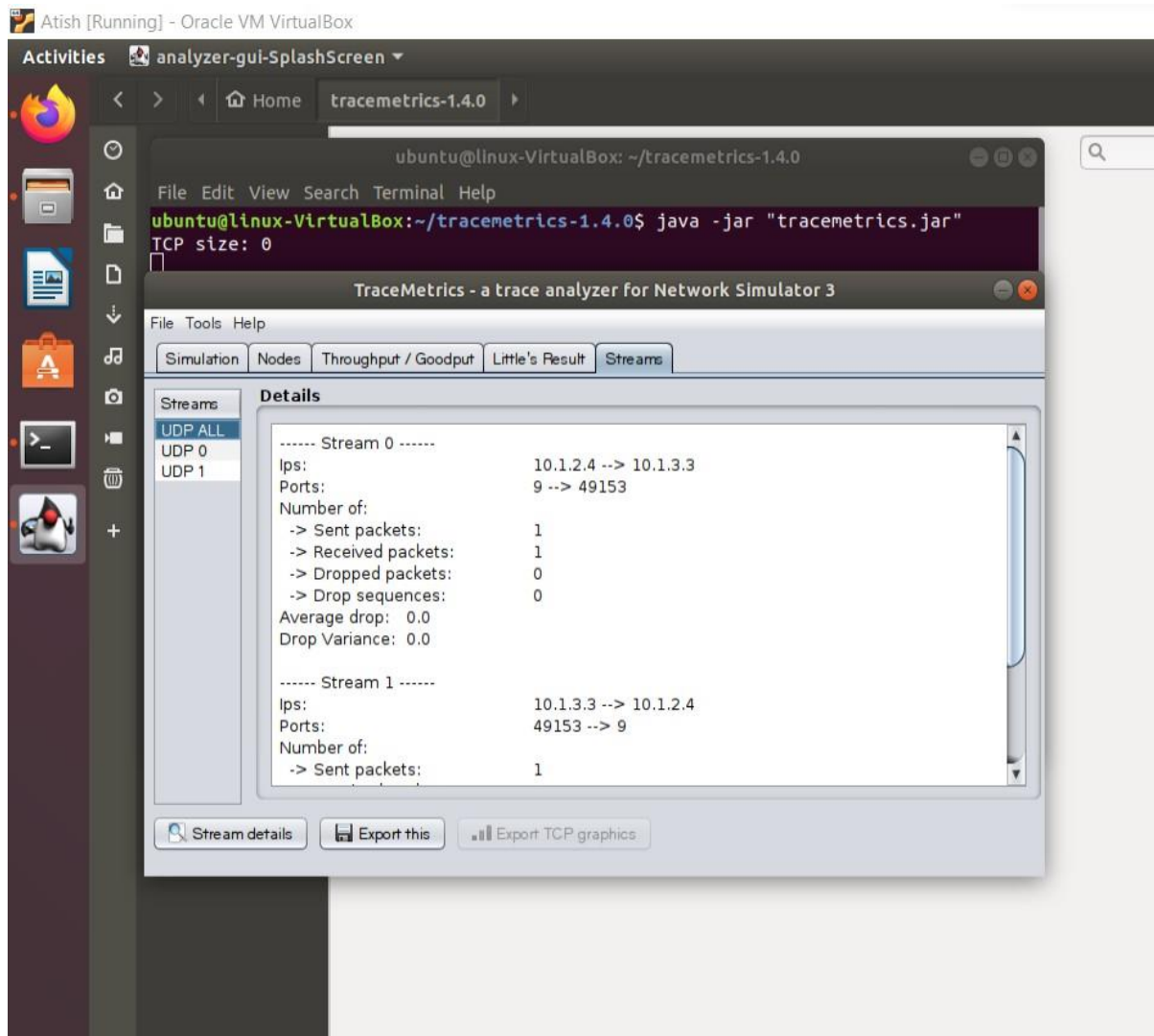


NetAnim:

Tracemetrics:







Wireshark:

Atish [Running] - Oracle VM VirtualBox

Activities Wireshark Tue 10:07 lab4-1-1.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	00:00:00_00:00:03	Broadcast	ARP	64	Who has 10.1.2.4? Tell 10.1.2.1 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
2	0.000024	00:00:00_00:00:06	00:00:00_00:00:03	ARP	64	10.1.2.4 is at 00:00:00:00:00:06 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
3	0.000024	10.1.3.3	10.1.2.4	UDP	1070	49153 → 9 Len=1024 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
4	0.005129	00:00:00_00:00:06	Broadcast	ARP	64	Who has 10.1.2.1? Tell 10.1.2.4 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
5	0.005129	00:00:00_00:00:03	00:00:00_00:00:06	ARP	64	10.1.2.1 is at 00:00:00:00:00:03 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
6	0.005235	10.1.2.4	10.1.3.3	UDP	1070	9 → 49153 Len=1024 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]

▶ Frame 1: 64 bytes on wire (512 bits), 64 bytes captured (512 bits)
▶ Ethernet II, Src: 00:00:00_00:00:03 (00:00:00:00:00:03), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
▶ Address Resolution Protocol (request)

```
0000  ff ff ff ff ff ff 00 00 00 00 03 08 06 00 01  .....
0010  08 00 06 04 00 01 00 00 00 00 03 0a 01 02 01  .....
0020  ff ff ff ff ff ff 0a 01 02 04 00 00 00 00 00  .....
0030  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  .....
```

Atish [Running] - Oracle VM VirtualBox

Activities Wireshark Tue 10:08 lab4-2-0.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	00:00:00_00:00:03	Broadcast	ARP	64	Who has 10.1.2.4? Tell 10.1.2.1 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
2	0.005117	00:00:00_00:00:06	Broadcast	ARP	64	Who has 10.1.2.1? Tell 10.1.2.4 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]

▶ Frame 1: 64 bytes on wire (512 bits), 64 bytes captured (512 bits)
▶ Ethernet II, Src: 00:00:00_00:00:03 (00:00:00:00:00:03), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
▶ Address Resolution Protocol (request)

```
0000  ff ff ff ff ff ff 00 00 00 00 03 08 06 00 01  .....
0010  08 00 06 04 00 01 00 00 00 00 03 0a 01 02 01  .....
0020  ff ff ff ff ff ff 0a 01 02 04 00 00 00 00 00  .....
0030  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  .....
```


Atish [Running] - Oracle VM VirtualBox

Activities Wireshark Tue 10:08 lab4-3-0.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	00:00:00_00:00:03	Broadcast	ARP	64	Who has 10.1.2.4? Tell 10.1.2.1 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
2	0.005117	00:00:00_00:00:06	Broadcast	ARP	64	Who has 10.1.2.1? Tell 10.1.2.4 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]

▶ Frame 1: 64 bytes on wire (512 bits), 64 bytes captured (512 bits)
▶ Ethernet II, Src: 00:00:00_00:00:03 (00:00:00:00:00:03), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
▶ Address Resolution Protocol (request)

Atish [Running] - Oracle VM VirtualBox

Activities Wireshark Tue 10:09 lab4-4-0.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	00:00:00_00:00:03	Broadcast	ARP	64	Who has 10.1.2.4? Tell 10.1.2.1 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
2	0.000000	00:00:00_00:00:06	00:00:00_00:00:03	ARP	64	10.1.2.4 is at 00:00:00:00:00:06 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
3	0.000106	10.1.3.3	10.1.2.4	UDP	1070	49153 → 9 Len=1024 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
4	0.005106	00:00:00_00:00:06	Broadcast	ARP	64	Who has 10.1.2.1? Tell 10.1.2.4 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
5	0.005130	00:00:00_00:00:03	00:00:00_00:00:06	ARP	64	10.1.2.1 is at 00:00:00:00:00:03 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]
6	0.005130	10.1.2.4	10.1.3.3	UDP	1070	9 → 49153 Len=1024 [ETHERNET FRAME CHECK SEQUENCE INCORRECT]

▶ Frame 1: 64 bytes on wire (512 bits), 64 bytes captured (512 bits)
▶ Ethernet II, Src: 00:00:00_00:00:03 (00:00:00:00:00:03), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
▶ Address Resolution Protocol (request)

```
0000 ff ff ff ff ff ff 00 00 00 00 03 08 06 00 01 .....
0010 08 00 06 04 00 01 00 00 00 00 03 0a 01 02 01 .....
0020 ff ff ff ff ff ff 0a 01 02 04 00 00 00 00 00 .....
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
```

GNUPlot:

