Modify packet:

I used memcpy to create a copy of each packet, used ether_shost and ether_dhost to accessed and modified both destination and source address.

For ip address, I first checked ether_type, and then accessed and modified both destination and source ip addresses by ip header->ip src.s addr and ip header->ip dst.s addr.

Time difference:

Get the time stamp of current and previous packet by header->ts, and took the difference to determined how long to sleep the program.

Result screenshot:

tcpdump

```
16:53:18.785284 02:42:ac:1c:00:0c > 02:42:3a:0a:3c:c3, ethertype IPv4 (0x0800),
length 42: 192.168.0.1.53 > 10.0.0.1.1234: domain [length 0 < 12] (invalid)</pre>
16:53:18.785432 08:00:12:34:56:78 > 08:00:12:34:ac:c2, ethertype IPv4 (0x0800),
length 42: 10.1.1.3.53 > 10.1.1.4.1234: domain [length 0 < 12] (invalid)
16:53:18.785451 02:42:ac:1c:00:0c > 02:42:3a:0a:3c:c3, ethertype IPv4 (0x0800),
length 42: 192.168.0.2.53 > 10.0.0.2.1234: domain [length 0 < 12] (invalid)
16:53:19.786582 08:00:12:34:56:78 > 08:00:12:34:ac:c2, ethertype IPv4 (0x0800),
length 42: 10.1.1.3.53 > 10.1.1.4.1234: domain [length 0 < 12] (invalid)
16:53:19.786608 02:42:ac:1c:00:0c > 02:42:3a:0a:3c:c3, ethertype IPv4 (0x0800),
length 42: 172.28.0.12.53 > 10.0.0.3.1234: domain [length 0 < 12] (invalid)
16:53:21.789469 08:00:12:34:56:78 > 08:00:12:34:ac:c2, ethertype IPv4 (0x0800),
length 42: 10.1.1.3.53 > 10.1.1.4.1234: domain [length 0 < 12] (invalid)
16:53:21.789502 02:42:ac:1c:00:0c > 02:42:3a:0a:3c:c3, ethertype IPv4 (0x0800)
length 42: 172.28.0.12.53 > 10.0.0.4.1234: domain [length 0 < 12] (invalid)
16:53:24.893778 08:00:12:34:56:78 > 08:00:12:34:ac:c2, ethertype IPv4 (0x0800),
length 42: 10.1.1.3.53 > 10.1.1.4.1234: domain [length 0 < 12] (invalid)
16:53:24.893822 02:42:ac:1c:00:0c > 02:42:3a:0a:3c:c3, ethertype IPv4 (0x0800)
length 42: 172.28.0.12.53 > 10.0.0.5.1234: domain [length 0 < 12] (invalid)</pre>
16:53:26.196051 08:00:12:34:56:78 > 08:00:12:34:ac:c2, ethertype IPv4 (0x0800),
length 42: 10.1.1.3.53 > 10.1.1.4.1234: domain [length 0 < 12] (invalid)
16:53:26.196091 02:42:ac:1c:00:0c > 02:42:3a:0a:3c:c3, ethertype IPv4 (0x0800),
length 42: 172.28.0.12.53 > 10.0.0.6.1234: domain [length 0 < 12] (invalid)
16:53:27.397872 08:00:12:34:56:78 > 08:00:12:34:ac:c2, ethertype IPv4 (0x0800),
length 42: 10.1.1.3.53 > 10.1.1.4.1234: domain [length 0 < 12] (invalid)
```

wireshark

No.	Time	Source	Destination	Protocol	Length Info
	1 0.000000000	192.168.0.1	10.0.0.1	UDP	42 53 → 1234 Len=0
	2 0.000148281	10.1.1.3	10.1.1.4	UDP	42 53 → 1234 Len=0
	3 0.000166967	192.168.0.2	10.0.0.2	UDP	42 53 → 1234 Len=0
	4 1.001297964	10.1.1.3	10.1.1.4	UDP	42 53 → 1234 Len=0
	5 1.001324438	172.28.0.12	10.0.0.3	UDP	42 53 → 1234 Len=0
	6 3.004184846	10.1.1.3	10.1.1.4	UDP	42 53 → 1234 Len=0
	7 3.004218395	172.28.0.12	10.0.0.4	UDP	42 53 → 1234 Len=0
	8 6.108494302	10.1.1.3	10.1.1.4	UDP	42 53 → 1234 Len=0
	9 6.108537502	172.28.0.12	10.0.0.5	UDP	42 53 → 1234 Len=0
	10 7.410767105	10.1.1.3	10.1.1.4	UDP	42 53 → 1234 Len=0
	11 7.410807055	172.28.0.12	10.0.0.6	UDP	42 53 → 1234 Len=0
	12 8.612588017	10.1.1.3	10.1.1.4	UDP	42 53 → 1234 Len=0