

Part 1 UDP Pinger

I faced some problem while print the message. At first, when I receive the message by `recv(1024)` then print out, the ping message would look like `b'PING'`. Then I search for many solution on the Internet. Finally knew that I should use `utf-8` to decode it!

```
PING 1 50.645
Request timed out.
Request timed out.
PING 4 52.531
PING 5 40.303
PING 6 39.202
Request timed out.
Request timed out.
PING 9 40.044
Request timed out.
Result:
Average RTT 44.54514984972775
Packet loss rate 0.5
```

Part 2 ICMP messages

In r, I use AF_INET to use Internet Protocol, SOCK_RAW to send and receive message without specific protocol, IPPROTO_ICMP to use Internet Control Message Protocol.

[illegible]

I faced some problem when print the message. At first, I think the destination port unreachable can be print by ICMP Header. So I spent lots of time to solve. Finally I saw the discussion on the eeclass...