Lab #2: Arpspoofer

Below, you can see the `--help` for an ARP spoofing program:

```
C:\PycharmProjects\NetSecLab>python ArpSpoofer.py -h

usage: ArpSpoofer.py [-h] [-i IFACE] [-s SRC] [-d DELAY] [-gw]
-t TARGET

Spoof ARP tables

optional arguments:
  -h, --help            show this help message and exit
  -i IFACE, --iface IFACE
                        Interface you wish to use
  -s SRC, --src SRC     The address you want for the attacker
  -d DELAY, --delay DELAY
                        Delay (in seconds) between messages
  -gw                   should GW be attacked as well
  -t TARGET, --target TARGET
                        IP of target
```

Tasks:

- Write the Arp spoofer (including all of the above options)
  - Note: if `src` in NOT selected, the default is the gateway IP address.
- Check that it works against a different computer on LAN (either virtual or real)
- Can you find out what is the maximum delay that inhibits the `target` machine from sending a `'who_has'` BROADCAST message (for UNIX and for WINDOWS)?

Notes:

- You may NOT download or copy code from internet
- Searching the internet with specific programming question IS allowed

Help:

- Run through the site: https://thepacketgeek.com/scapy-p-04-looking-at-packets/ until the end