1. connect to vps

   ```
   ssh kazim@vp4.sontg.net
   ```

2. Ping usth.edu.vn 5 times

   ```
   kazim@vp4:~$ ping usth.edu.vn
   PING usth.edu.vn (42.112.27.174) 56(84) bytes of data.
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=1 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=2 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=3 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=4 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=5 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=6 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=7 ttl=47 time=219 ms
   64 bytes from mail.usth.edu.vn (42.112.27.174): icmp_req=8 ttl=47 time=219 ms
   ```

3. How many hops from VPS

   ```
   kazim@vp4:~$ traceroute usth.edu.vn
   traceroute to usth.edu.vn (42.112.27.174), 30 hops max, 60 byte packets
    1  route.cloudatcost.com (104.167.107.1)  0.913 ms  1.031 ms  1.091 ms
    2  74.116.120.153 (74.116.120.153)  1.348 ms  1.385 ms  1.380 ms
    3  pc-17.coreswitch2.kit.rackanddata.com (98.143.96.58)  0.526 ms  0.605 ms  0.688
    4  vl3831.te-0-1-0-3.tor0151-asr9a.ne.fibernetics.ca (74.205.214.57)  5.286 ms te4-
    5  * * *
    6  * v635.core1.tor1.he.net (209.51.163.213)  4.578 ms *
    7  * * 100ge13-1.core1.chi1.he.net (184.105.80.5)  20.187 ms
    8  v635.core1.tor1.he.net (209.51.163.213)  4.002 ms 100ge14-1.core2.chi1.he.net (1
    9  100ge13-1.core1.chi1.he.net (184.105.80.5)  20.140 ms  20.128 ms  20.105 ms
   10  100ge4-1.core1.sea1.he.net (184.105.223.193)  54.225 ms 100ge14-1.core2.chi1.he.
   11  100ge14-2.core1.msp1.he.net (184.105.223.178)  29.498 ms  21.911 ms  21.967 ms
   12  100ge4-1.core1.sea1.he.net (184.105.223.193)  55.953 ms  55.555 ms 18403.tyo.equ
   13  118.70.1.106 (118.70.1.106)  218.285 ms  221.017 ms  218.474 ms
   14  118.70.3.94 (118.70.3.94)  219.984 ms 18403.tyo.equinix.com (203.190.230.127)  2
   15  42.112.4.62 (42.112.4.62)  219.189 ms 118.70.1.102 (118.70.1.102)  217.647 ms 11
   16  118.70.3.94 (118.70.3.94)  219.367 ms mail.usth.edu.vn (42.112.27.174)  218.914
   ```

4. How many hops from computer

   ```
   mjk@mjk-Inspiron-5547:~$ traceroute usth.edu.vn
   traceroute to usth.edu.vn (42.112.27.174), 64 hops max
     1   192.168.1.1  4,478ms  2,078ms  1,911ms
     2   192.168.6.1  2,209ms  2,256ms  2,136ms
     3   119.17.212.1  3,999ms  4,658ms  4,201ms
     4   * * *
   ```

```
 5   10.100.4.21  2,454ms  2,077ms  1,895ms
 6   210.86.228.6  3,035ms  2,507ms  3,600ms
 7   218.100.10.7  2,300ms  2,422ms  2,397ms
 8   *  *  *
 9   *  *  *
10   42.112.4.22  2,975ms  3,096ms  2,377ms
11   118.70.3.74  845,223ms  307,466ms  15,676ms
12   42.112.27.174  2,666ms  2,538ms  2,914ms
```