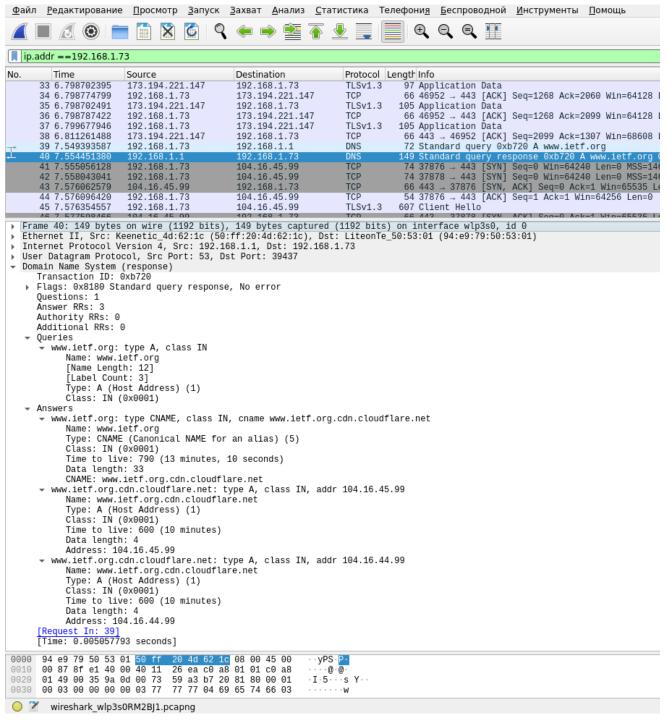
Задание А

```
(v) (A) (X)
                                        alex@sasha: ~
Файл Правка Вид Поиск Терминал Справка
alex@sasha:~$ nslookup www.kyoto-u.ac.jp
Server: 192.168.1.1
               192.168.1.1#53
Address:
Non-authoritative answer:
www.kyoto-u.ac.jp canonical name = pipe.pr.kyoto-u.ac.jp.
pipe.pr.kyoto-u.ac.jp canonical name = dualstack.j.sni.global.fastly.net.
Name: dualstack.j.sni.global.fastly.net
Address: 151.101.14.132
Name: dualstack.j.sni.global.fastly.net
Address: 2a04:4e42:3::644
alex@sasha:~$ nslookup -type=NS cam.ac.uk
Server:
               192.168.1.1
Address:
               192.168.1.1#53
Non-authoritative answer:
cam.ac.uk nameserver = ns1.mythic-beasts.com.
               nameserver = dns0.eng.cam.ac.uk.
cam.ac.uk
               nameserver = ns2.ic.ac.uk.
cam.ac.uk
              nameserver = auth0.dns.cam.ac.uk.
cam.ac.uk
cam.ac.uk nameserver = ns3.mythic-beasts.com.
cam.ac.uk
              nameserver = dns0.cl.cam.ac.uk.
Authoritative answers can be found from:
auth0.dns.cam.ac.uk internet address = 131.111.8.37
                      has AAAA address 2a05:b400:110::d:a0
dns0.cl.cam.ac.uk
dns0.cl.cam.ac.uk has AAAA address 2001:630:212:200::d:a0
auth0.dns.cam.ac.uk
                      has AAAA address 2001:630:212:8::d:a0
alex@sasha:~$ nslookup www.spbu.ru
Server:
              192.168.1.1
Address:
               192.168.1.1#53
Non-authoritative answer:
www.spbu.ru canonical name = spbu.ru.
Name: spbu.ru
Address: 82.202.190.112
alex@sasha:~$ nslookup www.google.com
Server:
            192.168.1.1
                                                                    3
Address:
               192.168.1.1#53
Non-authoritative answer:
Name: www.google.com
Address: 64.233.165.105
Name: www.google.com
Address: 64.233.165.103
Name: www.google.com
Address: 64.233.165.106
Name: www.google.com
Address: 64.233.165.99
Name: www.google.com
Address: 64.233.165.104
```

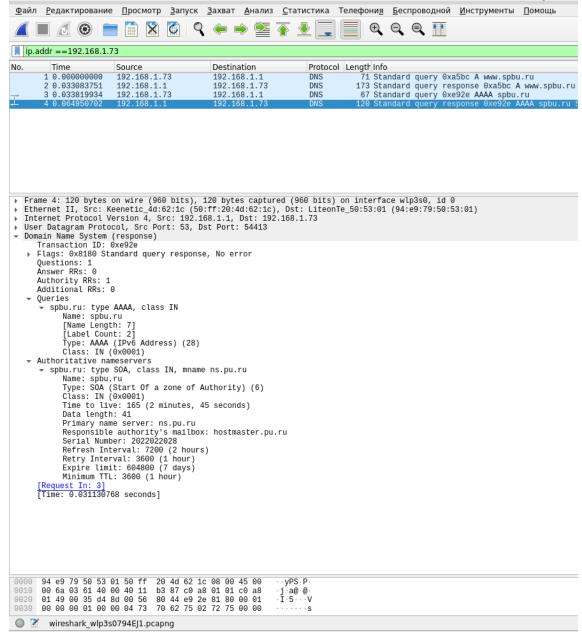
- 1. 151.101.14.132
- 2
 - a. auth0.dns.cam.ac.uk
 - b. dns0.cl.cam.ac.uk
 - c. dns0.cl.cam.ac.uk
 - d. auth0.dns.cam.ac.uk
- 3. <u>www.google.com</u>, только один: 82.202.190.112

Задание Б



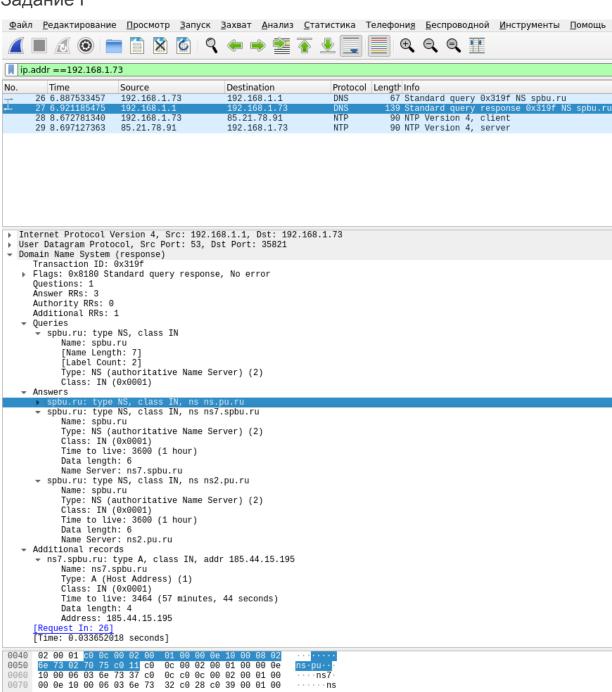
- 1. UDP
- 2. 53
- 3. 192.168.1.1, да
- 4. если я правильно понимаю, тип -- А; ответов нет
- 5. три ответа; содержат Name, Type, Class, Time, Data length, CNAME/Address
- 6. да
- 7. только DNS запрос o analytics.tetf.org

Задание В



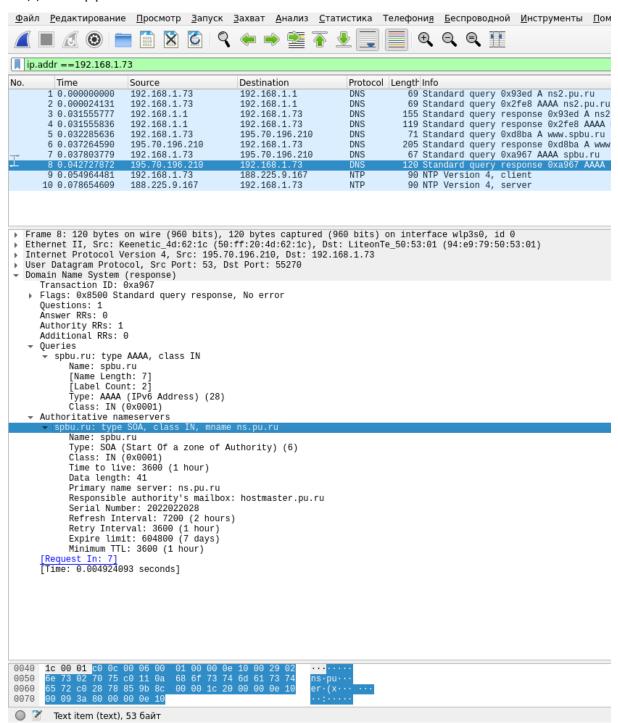
- 1. 53, 53
- 2. 192.168.1.1, да
- 3. тип -- АААА, ответов нет
- 4. один ответ, там в дополнение к тому что перечислено в Б.5 есть еще различные интервалы обновления, время жизни и тд

Задание Г



- 1. 192.168.1.1, да
- 2. тип -- NS, ответов нет
- 3. адресов нет, имена серверов:
 - a. ns.pu.ru
 - b. ns7.spbu.ru
 - c. ns2.pu.ru

Задание Д



- 1. 195.70.196.210; нет; ns2.pu.ru
- 2. тип -- АААА, ответов нет
- 3. ответ один, Name, Type, Class, Time, Data length, имя сервера, почта, интервалы обновления, время жизни

Задание Е

NetRange: 208.67.216.0 - 208.67.223.255 CIDR: 208.67.216.0/21 208.67.216.0 - 208.67.223.255 NetName: OPENDNS-NET-1 NetRange: NetHandle: NET-208-67-216-0-1 CIDR: 208.67.216.0/21 Parent: NET208 (NET-208-0-0-0) NetName: OPENDNS-NET-1 NetType: Direct Allocation NetHandle: NET-208-67-216-0-1 OriginAS: AS36692 NET208 (NET-208-0-0-0) Parent: Organization: Cisco OpenDNS, LLC (OPEND-2) Direct Allocation NetType: OriginAS: RegDate: 2006-06-06 AS36692 Updated: 2021-12-14 Organization: Cisco OpenDNS, LLC (OPEND-2) Ref: https://rdap.arin.net/registry/ip/208.67.216.0 RegDate: 2006-06-06 2021-12-14 Updated: Ref: https://rdap.arin.net/registry/ip/208.67.216.0 Cisco OpenDNS, LLC OrgName: OrgName: Cisco OpenDNS, LLC OrgId: OPEND-2 OraId: OPEND-2 145 Bluxome st. Address: Address: 145 Bluxome st. City: San Francisco City: San Francisco StateProv: CA StateProv: CA PostalCode: 94107 PostalCode: 94107 US Country: Country: US 2008-02-26 RegDate: RegDate: 2008-02-26 2021-08-18 Updated: Updated: 2021-08-18 Comment: http://www.opendns.com/ Comment: http://www.opendns.com/ Comment: Use OpenDNS to make your Internet faster, safer, Comment: Use OpenDNS to make your Internet faster, safer, Comment: and smarter. Comment: and smarter. DNS Servers: 208.67.222.222 208.67.220.220 Comment: IPv4/IPv6 Peering: peering@opendns.com Comment: IPv4/IPv6 Peering: peering@opendns.com Ref: https://rdap.arin.net/registry/entity/OPEND-2 Ref: https://rdap.arin.net/registry/entity/OPEND-2 1. там хранится информация о доменах, их регистрации, возрасте, контактах владельца 2. сервисы в интернете: www.nic.ru/whois, whois.ru, DNS: a. 208.67.222.222 -- OpenDNS b. 1.1.1.1 -- Cloudflare 3. --alex@alex:~\$ nslookup www.spbu.ru Server: 192.168.1.1 Address: 192.168.1.1#53 Non-authoritative answer: www.spbu.ru canonical name = spbu.ru. Name: spbu.ru Address: 82.202.190.112 alex@alex:~\$ nslookup www.spbu.ru 1.1.1.1 Server: 1.1.1.1 1.1.1.1#53 Address: Non-authoritative answer: www.spbu.ru canonical name = spbu.ru. Name: spbu.ru Address: 82.202.190.112 alex@alex:~\$ nslookup www.spbu.ru 208.67.222.222 208.67.222.222 Server:

alex@alex:~\$

Name: spbu.ru

www.spbu.ru

Non-authoritative answer:

Address: 82.202.190.112

Address:

208.67.222.222#53

canonical name = spbu.ru.