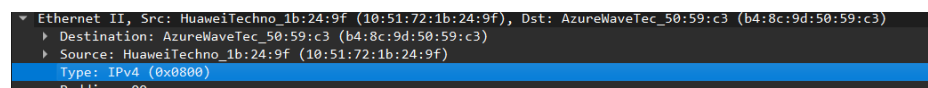
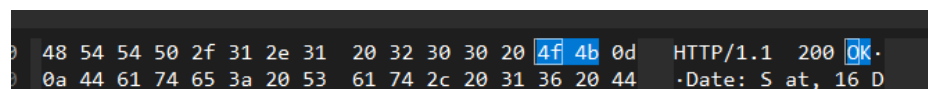


5.10:51:72:1b:24:9f,都不是,是我路由器的地址,是用来进我子网的链路
 6.b4:8c:9d:50:59:c3,是
 7.0x800,IP协议



8.有13个字节



9.Internet地址,物理地址，类型

Internet 地址	物理地址	类型
169.254.169.254	10-51-72-1b-24-9f	动态
172.24.0.1	10-51-72-1b-24-9f	动态
172.24.127.255	ff-ff-ff-ff-ff-ff	静态
224.0.0.2	01-00-5e-00-00-02	静态
224.0.0.251	01-00-5e-00-00-fb	静态
224.0.0.252	01-00-5e-00-00-fc	静态
239.255.255.250	01-00-5e-7f-ff-fa	静态
255.255.255.255	ff-ff-ff-ff-ff-ff	静态

10.源地址是b4:8c:9d:50:59:c3,目的地址是ff:ff:ff:ff:ff:ff

11.0x0806,ARP协议

```
▼ Ethernet II, Src: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
  > Destination: Broadcast (ff:ff:ff:ff:ff:ff)
  > Source: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3)
    Type: ARP (0x0806)
```

12.a)20

b)0x0001

c)包含

d)设置Target Mac address为00:00:00:00:00:00,Target IP address为192.168.168.162

```
> Frame 10118: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{B556E808-875B-45ED-B4D4-0083207BC113}
▼ Ethernet II, Src: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
  > Destination: Broadcast (ff:ff:ff:ff:ff:ff)
  > Source: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3)
    Type: ARP (0x0806)
▼ Address Resolution Protocol (request)
  Hardware type: Ethernet (1)
  Protocol type: IPv4 (0x0800)
  Hardware size: 6
  Protocol size: 4
  Opcode: request (1)
  Sender MAC address: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3)
  Sender IP address: 192.168.168.73
  Target MAC address: Xerox_00:00:00 (00:00:00:00:00:00)
  Target IP address: 192.168.168.162
```

13.a)20

b)0x0002

c)Sender MAC address为16:4f:9e:20:ba:ef,Target IP address为192.168.168.162

14.源地址为16:4f:9e:20:ba:ef,目的地址为b4:8c:9d:50:59:c3

```
> Frame 10119: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{B556E808-875B-45ED-B4D4-0083207BC113}
▼ Ethernet II, Src: 16:4f:9e:20:ba:ef (16:4f:9e:20:ba:ef), Dst: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3)
  > Destination: AzureWaveTec_50:59:c3 (b4:8c:9d:50:59:c3)
  > Source: 16:4f:9e:20:ba:ef (16:4f:9e:20:ba:ef)
    Type: ARP (0x0806)
▼ Address Resolution Protocol (reply)
  Hardware type: Ethernet (1)
  Protocol type: IPv4 (0x0800)
  Hardware size: 6
  Protocol size: 4
  Opcode: reply (2)
  Sender MAC address: 16:4f:9e:20:ba:ef (16:4f:9e:20:ba:ef)
  Sender IP address: 192.168.168.162
```

15.因为 ARP 广播信息是广播的，所有该网段内的电脑均可收到，而 ARP 广播回复是单播的，只有请求的那台电脑才能收到，因此抓不到另外一台电脑的 ARP 请求。

```
▼ Ethernet II, Src: LinksysGroup_da:af:73 (00:06:25:da:af:73), Dst: AmbitMicrosy_a9:3d:68 (00:d0:59:a9:3d:68)
  ▶ Destination: AmbitMicrosy_a9:3d:68 (00:d0:59:a9:3d:68)
  ▶ Source: LinksysGroup_da:af:73 (00:06:25:da:af:73)
    Type: ARP (0x0806)
    Padding: 00000000000000000000000000000000
  ▶ Address Resolution Protocol (reply)
```

EX1.会显示”ARP 项添加失败: 拒绝访问。”

```
C:\Windows\System32>arp -s 192.168.168.162 01-00-5e-00-00-02
ARP 项添加失败: 拒绝访问。
```

EX2. 根据微软官方文档<http://support.microsoft.com/kb/949589>,并没有ARP缓存保留默认时间