```
Frame 1 (103 on wire, 103 captured)
  Arrival Time: Nov 27, 2001 07:45:57.199328000
  Time delta from previous packet: 0.000000000 seconds
  Time relative to first packet: 0.000000000 seconds
  Frame Number: 1
  Packet Length: 103 bytes
  Capture Length: 103 bytes
Ethernet II
  Destination: 00:90:d0:22:d1:91 (ALCATEL_22:d1:91)
  Source: 00:d0:b7:0b:05:25 (INTEL_0b:05:25)
  Type: IP (0x0800)
Internet Protocol, Src Addr: plab-l00.math.tau.ac.il (10.0.0.1), Dst Addr: 10.0.0.138 (10.
  Version: 4
  Header length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00)
    0000 00.. = Differentiated Services Codepoint: Default (0x00)
    .... ..0. = ECN-Capable Transport (ECT): 0
    .... ...0 = ECN-CE: 0
  Total Length: 89
  Identification: 0x79cc
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: GRE (0x2f)
  Header checksum: 0xac1f (correct)
  Source: plab-l00.math.tau.ac.il (10.0.0.1)
  Destination: 10.0.0.138 (10.0.0.138)
Generic Routing Encapsulation (PPP)
  Flags and version: 0x3001
    0... .... .... .... = No checksum
    .0.. .... .... .... = No routing
    ..1. .... .... .... = Key
    ...1 .... .... .... = Sequence number
    .... 0... .... .... = No strict source route
    .... .000 .... .... = Recursion control: 0
    .... .... 0... .... = No acknowledgment number
    .... .... .000 0... = Flags: 0
    .... .... .... .001 = Version: 1
  Protocol Type: PPP (0x880b)
  Payload length: 57
  Call ID: 0
  Sequence number: 706
Point-to-Point Protocol
  Address: ff
  Control: 03
  Protocol: IP (0x0021)
Internet Protocol, Src Addr: di8-234.dialin.huji.ac.il (132.64.10.234), Dst Addr: relay.hu
  Version: 4
  Header length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00)
    0000 00.. = Differentiated Services Codepoint: Default (0x00)
    .... ..0. = ECN-Capable Transport (ECT): 0
    .... ...0 = ECN-CE: 0
  Total Length: 53
  Identification: 0xc84e
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (0x11)
  Header checksum: 0x5cb3 (correct)
  Source: di8-234.dialin.huji.ac.il (132.64.10.234)
  Destination: relay.huji.ac.il (128.139.6.1)
User Datagram Protocol, Src Port: 45290 (45290), Dst Port: domain (53)
  Source port: 45290 (45290)
  Destination port: domain (53)
  Length: 33
```

```
  Checksum: 0xe870 (correct)
Domain Name System (query)
  Transaction ID: 0x68c2
  Flags: 0x0100 (Standard query)
    0... .... .... .... = Query
    .000 0... .... .... = Standard query
    .... ..0. .... .... = Message is not truncated
    .... ...1 .... .... = Do query recursively
    .... .... ...0 .... = Non-authenticated data is unacceptable
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
    cnn.com: type A, class inet
      Name: cnn.com
      Type: Host address
      Class: inet

Frame 2 (358 on wire, 358 captured)
  Arrival Time: Nov 27, 2001 07:45:57.219328000
  Time delta from previous packet: 0.020000000 seconds
  Time relative to first packet: 0.020000000 seconds
  Frame Number: 2
  Packet Length: 358 bytes
  Capture Length: 358 bytes
Ethernet II
  Destination: 00:d0:b7:0b:05:25 (INTEL_0b:05:25)
  Source: 00:90:d0:22:d1:91 (ALCATEL_22:d1:91)
  Type: IP (0x0800)
Internet Protocol, Src Addr: 10.0.0.138 (10.0.0.138), Dst Addr: plab-l00.math.tau.ac.il (1
  Version: 4
  Header length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00)
    0000 00.. = Differentiated Services Codepoint: Default (0x00)
    .... ..0. = ECN-Capable Transport (ECT): 0
    .... ...0 = ECN-CE: 0
  Total Length: 344
  Identification: 0xca2b
  Flags: 0x00
    .0.. = Don't fragment: Not set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: GRE (0x2f)
  Header checksum: 0x9ac1 (correct)
  Source: 10.0.0.138 (10.0.0.138)
  Destination: plab-l00.math.tau.ac.il (10.0.0.1)
Generic Routing Encapsulation (PPP)
  Flags and version: 0x3081
    0... .... .... .... = No checksum
    .0.. .... .... .... = No routing
    ..1. .... .... .... = Key
    ...1 .... .... .... = Sequence number
    .... 0... .... .... = No strict source route
    .... .000 .... .... = Recursion control: 0
    .... .... 1... .... = Acknowledgment number
    .... .... .000 0... = Flags: 0
    .... .... .... .001 = Version: 1
  Protocol Type: PPP (0x880b)
  Payload length: 308
  Call ID: 0
  Sequence number: 748
  Acknowledgement number: 706
Point-to-Point Protocol
  Address: ff
  Control: 03
  Protocol: IP (0x0021)
Internet Protocol, Src Addr: relay.huji.ac.il (128.139.6.1), Dst Addr: di8-234.dialin.huji
  Version: 4
```

```
  Header length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP 0x00: Default; ECN: 0x00)
    0000 00.. = Differentiated Services Codepoint: Default (0x00)
    .... ..0. = ECN-Capable Transport (ECT): 0
    .... ...0 = ECN-CE: 0
  Total Length: 304
  Identification: 0x7eda
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 253
  Protocol: UDP (0x11)
  Header checksum: 0xe82b (correct)
  Source: relay.huji.ac.il (128.139.6.1)
  Destination: di8-234.dialin.huji.ac.il (132.64.10.234)
User Datagram Protocol, Src Port: domain (53), Dst Port: 45290 (45290)
  Source port: domain (53)
  Destination port: 45290 (45290)
  Length: 284
  Checksum: 0xd1b0 (correct)
Domain Name System (response)
  Transaction ID: 0x68c2
  Flags: 0x8180 (Standard query response, No error)
    1... .... .... .... = Response
    .000 0... .... .... = Standard query
    .... .0.. .... .... = Server is not an authority for domain
    .... ..0. .... .... = Message is not truncated
    .... ...1 .... .... = Do query recursively
    .... .... 1... .... = Server can do recursive queries
    .... .... ..0. .... = Answer/authority portion was not authenticated by the server
    .... .... .... 0000 = No error
  Questions: 1
  Answer RRs: 6
  Authority RRs: 4
  Additional RRs: 4
  Queries
    cnn.com: type A, class inet
      Name: cnn.com
      Type: Host address
      Class: inet
  Answers
    cnn.com: type A, class inet, addr 207.25.71.29
      Name: cnn.com
      Type: Host address
      Class: inet
      Time to live: 11 minutes, 3 seconds
      Data length: 4
      Addr: 207.25.71.29
    cnn.com: type A, class inet, addr 207.25.71.5
      Name: cnn.com
      Type: Host address
      Class: inet
      Time to live: 11 minutes, 3 seconds
      Data length: 4
      Addr: 207.25.71.5
    cnn.com: type A, class inet, addr 207.25.71.20
      Name: cnn.com
      Type: Host address
      Class: inet
      Time to live: 11 minutes, 3 seconds
      Data length: 4
      Addr: 207.25.71.20
    cnn.com: type A, class inet, addr 207.25.71.25
      Name: cnn.com
      Type: Host address
      Class: inet
      Time to live: 11 minutes, 3 seconds
      Data length: 4
      Addr: 207.25.71.25
```

```
  cnn.com: type A, class inet, addr 207.25.71.27
    Name: cnn.com
    Type: Host address
    Class: inet
    Time to live: 11 minutes, 3 seconds
    Data length: 4
    Addr: 207.25.71.27
  cnn.com: type A, class inet, addr 207.25.71.28
    Name: cnn.com
    Type: Host address
    Class: inet
    Time to live: 11 minutes, 3 seconds
    Data length: 4
    Addr: 207.25.71.28
Authoritative nameservers
  cnn.com: type NS, class inet, ns NS-01A.ANS.NET
    Name: cnn.com
    Type: Authoritative name server
    Class: inet
    Time to live: 1 day, 16 hours, 35 minutes, 42 seconds
    Data length: 16
    Name server: NS-01A.ANS.NET
  cnn.com: type NS, class inet, ns NS-01B.ANS.NET
    Name: cnn.com
    Type: Authoritative name server
    Class: inet
    Time to live: 1 day, 16 hours, 35 minutes, 42 seconds
    Data length: 9
    Name server: NS-01B.ANS.NET
  cnn.com: type NS, class inet, ns NS-02A.ANS.NET
    Name: cnn.com
    Type: Authoritative name server
    Class: inet
    Time to live: 1 day, 16 hours, 35 minutes, 42 seconds
    Data length: 9
    Name server: NS-02A.ANS.NET
  cnn.com: type NS, class inet, ns NS-02B.ANS.NET
    Name: cnn.com
    Type: Authoritative name server
    Class: inet
    Time to live: 1 day, 16 hours, 35 minutes, 42 seconds
    Data length: 9
    Name server: NS-02B.ANS.NET
Additional records
  NS-01A.ANS.NET: type A, class inet, addr 199.221.47.7
    Name: NS-01A.ANS.NET
    Type: Host address
    Class: inet
    Time to live: 10 hours, 44 minutes, 27 seconds
    Data length: 4
    Addr: 199.221.47.7
  NS-01B.ANS.NET: type A, class inet, addr 199.221.47.8
    Name: NS-01B.ANS.NET
    Type: Host address
    Class: inet
    Time to live: 9 hours, 3 minutes, 40 seconds
    Data length: 4
    Addr: 199.221.47.8
  NS-02A.ANS.NET: type A, class inet, addr 207.24.245.179
    Name: NS-02A.ANS.NET
    Type: Host address
    Class: inet
    Time to live: 7 hours, 55 minutes, 56 seconds
    Data length: 4
    Addr: 207.24.245.179
  NS-02B.ANS.NET: type A, class inet, addr 207.24.245.178
    Name: NS-02B.ANS.NET
    Type: Host address
    Class: inet
    Time to live: 1 hour, 8 minutes, 2 seconds
```

```
Data length: 4
Addr: 207.24.245.178
```