```
Frame 1 (108 on wire, 108 captured)
  Arrival Time: Nov 28, 2001 00:13:11.869328000
  Time delta from previous packet: 0.000000000 seconds
  Time relative to first packet: 0.000000000 seconds
  Frame Number: 1
  Packet Length: 108 bytes
  Capture Length: 108 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: 94
  Identification: 0x38f6
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: GRE (0x2f)
  Header checksum: 0xecf0 (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: 62
  Call ID: 0
  Sequence number: 53752
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: 58
  Identification: 0x2ad9
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (0x11)
  Header checksum: 0xfa23 (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: 45306 (45306), Dst Port: domain (53)
  Source port: 45306 (45306)
  Destination port: domain (53)
  Length: 38
```

```
  Checksum: 0x7d0b (correct)
Domain Name System (query)
  Transaction ID: 0x3080
  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
    homtmail.com: type MX, class inet
      Name: homtmail.com
      Type: Mail exchange
      Class: inet

Frame 2 (173 on wire, 173 captured)
  Arrival Time: Nov 28, 2001 00:13:11.899328000
  Time delta from previous packet: 0.030000000 seconds
  Time relative to first packet: 0.030000000 seconds
  Frame Number: 2
  Packet Length: 173 bytes
  Capture Length: 173 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: 159
  Identification: 0xffc3
  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: 0x65e2 (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: 123
  Call ID: 0
  Sequence number: 65717
  Acknowledgement number: 53752
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: 119
  Identification: 0xd768
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 253
  Protocol: UDP (0x11)
  Header checksum: 0x9056 (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: 45306 (45306)
  Source port: domain (53)
  Destination port: 45306 (45306)
  Length: 99
  Checksum: 0xd4aa (correct)
Domain Name System (response)
  Transaction ID: 0x3080
  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: 0
  Authority RRs: 1
  Additional RRs: 0
  Queries
    homtmail.com: type MX, class inet
      Name: homtmail.com
      Type: Mail exchange
      Class: inet
  Authoritative nameservers
    homtmail.com: type SOA, class inet, mname ns1.tera-byte.com
      Name: homtmail.com
      Type: Start of zone of authority
      Class: inet
      Time to live: 53 minutes, 29 seconds
      Data length: 49
      Primary name server: ns1.tera-byte.com
      Responsible authority's mailbox: hostmaster.tera-byte.com
      Serial number: 2001110902
      Refresh interval: 1 hour
      Retry interval: 15 minutes
      Expiration limit: 41 days, 16 hours
      Minimum TTL: 1 hour

Frame 3 (46 on wire, 46 captured)
  Arrival Time: Nov 28, 2001 00:13:11.899328000
  Time delta from previous packet: 0.000000000 seconds
  Time relative to first packet: 0.030000000 seconds
  Frame Number: 3
  Packet Length: 46 bytes
  Capture Length: 46 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: 32
  Identification: 0x38f7
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: GRE (0x2f)
  Header checksum: 0xed2d (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: 0x2081
    0... .... .... .... = No checksum
    .0.. .... .... .... = No routing
    ..1. .... .... .... = Key
    ...0 .... .... .... = No 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: 0
  Call ID: 0
  Acknowledgement number: 65717
[Malformed Frame: PPP]

Frame 4 (108 on wire, 108 captured)
  Arrival Time: Nov 28, 2001 00:13:11.899328000
  Time delta from previous packet: 0.000000000 seconds
  Time relative to first packet: 0.030000000 seconds
  Frame Number: 4
  Packet Length: 108 bytes
  Capture Length: 108 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: 94
  Identification: 0x38f8
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: GRE (0x2f)
  Header checksum: 0xecee (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: 62
  Call ID: 0
  Sequence number: 53753
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: 58
  Identification: 0x2adc
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (0x11)
  Header checksum: 0xfa20 (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: 45306 (45306), Dst Port: domain (53)
  Source port: 45306 (45306)
  Destination port: domain (53)
  Length: 38
  Checksum: 0x7d17 (correct)
Domain Name System (query)
  Transaction ID: 0x3081
  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
    homtmail.com: type NS, class inet
      Name: homtmail.com
      Type: Authoritative name server
      Class: inet

Frame 5 (224 on wire, 224 captured)
  Arrival Time: Nov 28, 2001 00:13:11.929328000
  Time delta from previous packet: 0.030000000 seconds
  Time relative to first packet: 0.060000000 seconds
  Frame Number: 5
  Packet Length: 224 bytes
  Capture Length: 224 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: 210
```

```
  Identification: 0xffc4
  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: 0x65ae (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: 174
  Call ID: 0
  Sequence number: 65718
  Acknowledgement number: 53753
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: 170
  Identification: 0xd769
  Flags: 0x04
    .1.. = Don't fragment: Set
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 253
  Protocol: UDP (0x11)
  Header checksum: 0x9022 (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: 45306 (45306)
  Source port: domain (53)
  Destination port: 45306 (45306)
  Length: 150
  Checksum: 0xc4b1 (correct)
Domain Name System (response)
  Transaction ID: 0x3081
  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: 3
  Authority RRs: 0
  Additional RRs: 3
  Queries
    homtmail.com: type NS, class inet
```

```
      Name: homtmail.com
      Type: Authoritative name server
      Class: inet
  Answers
    homtmail.com: type NS, class inet, ns NS2.TERA-BYTE.com
      Name: homtmail.com
      Type: Authoritative name server
      Class: inet
      Time to live: 1 day, 17 hours, 3 minutes, 32 seconds
      Data length: 16
      Name server: NS2.TERA-BYTE.com
    homtmail.com: type NS, class inet, ns NS1.TERA-BYTE.com
      Name: homtmail.com
      Type: Authoritative name server
      Class: inet
      Time to live: 1 day, 17 hours, 3 minutes, 32 seconds
      Data length: 6
      Name server: NS1.TERA-BYTE.com
    homtmail.com: type NS, class inet, ns NS3.TERA-BYTE.com
      Name: homtmail.com
      Type: Authoritative name server
      Class: inet
      Time to live: 1 day, 17 hours, 3 minutes, 32 seconds
      Data length: 6
      Name server: NS3.TERA-BYTE.com
  Additional records
    NS2.TERA-BYTE.com: type A, class inet, addr 216.234.161.12
      Name: NS2.TERA-BYTE.com
      Type: Host address
      Class: inet
      Time to live: 1 day, 17 hours, 16 minutes, 29 seconds
      Data length: 4
      Addr: 216.234.161.12
    NS1.TERA-BYTE.com: type A, class inet, addr 216.234.161.11
      Name: NS1.TERA-BYTE.com
      Type: Host address
      Class: inet
      Time to live: 1 day, 17 hours, 16 minutes, 29 seconds
      Data length: 4
      Addr: 216.234.161.11
    NS3.TERA-BYTE.com: type A, class inet, addr 204.209.56.2
      Name: NS3.TERA-BYTE.com
      Type: Host address
      Class: inet
      Time to live: 23 minutes, 58 seconds
      Data length: 4
      Addr: 204.209.56.2

Frame 6 (46 on wire, 46 captured)
  Arrival Time: Nov 28, 2001 00:13:11.929328000
  Time delta from previous packet: 0.000000000 seconds
  Time relative to first packet: 0.060000000 seconds
  Frame Number: 6
  Packet Length: 46 bytes
  Capture Length: 46 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: 32
  Identification: 0x38f9
  Flags: 0x04
    .1.. = Don’t fragment: Set
```

```
    ..0. = More fragments: Not set
  Fragment offset: 0
  Time to live: 64
  Protocol: GRE (0x2f)
  Header checksum: 0xed2b (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: 0x2081
    0... .... .... .... = No checksum
    .0.. .... .... .... = No routing
    ..1. .... .... .... = Key
    ...0 .... .... .... = No 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: 0
  Call ID: 0
  Acknowledgement number: 65718
[Malformed Frame: PPP]
```