```
No.
       Time
                      Source
                                             Destination
                                                                   Protocol Length Info
  2010 19.391925
                      2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 64:ff9b::8077:f50c
                                                                                                    GET /kurose_ross/wireshark.php HTTP/
                                                                                             533
1.1
Frame 2010: 533 bytes on wire (4264 bits), 533 bytes captured (4264 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
id 0
Ethernet II, Src: Intel_ab:40:2d (f4:26:79:ab:40:2d), Dst: c2:e8:62:57:85:64 (c2:e8:62:57:85:64)
Internet Protocol Version 6, Src: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7, Dst: 64:ff9b::8077:f50c
Transmission Control Protocol, Src Port: 62364, Dst Port: 80, Seq: 1, Ack: 1, Len: 459
Hypertext Transfer Protocol
   GET /kurose_ross/wireshark.php HTTP/1.1\r\n
       [Expert Info (Chat/Sequence): GET /kurose_ross/wireshark.php HTTP/1.1\r\n]
       Request Method: GET
       Request URI: /kurose_ross/wireshark.php
       Request Version: HTTP/1.1
   Host: gaia.cs.umass.edu\r\n
   Connection: keep-alive\r\n
   Upgrade-Insecure-Requests: 1\r\n
   User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36 Edg/
129.0.0.0\r\n
   Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-
exchange:v=b3:a=0.7\r\n
   Accept-Encoding: gzip, deflate\r\
   Accept-Language: vi\r\n
   \r\n
   [Full request URI: http://gaia.cs.umass.edu/kurose_ross/wireshark.php]
   [HTTP request 1/2]
    [Response in frame: 2100]
   [Next request in frame: 2146]
No.
       Time
                      Source
                                             Destination
                                                                   Protocol Length Info
                      2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 64:ff9b::8077:f50c
  2073 20.080955
                                                                                   HTTP
                                                                                             444
                                                                                                    GET /kurose ross/custom.css HTTP/1.1
Frame 2073: 444 bytes on wire (3552 bits), 444 bytes captured (3552 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
Ethernet II, Src: Intel_ab:40:2d (f4:26:79:ab:40:2d), Dst: c2:e8:62:57:85:64 (c2:e8:62:57:85:64)
Internet Protocol Version 6, Src: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7, Dst: 64:ff9b::8077:f50c
Transmission Control Protocol, Src Port: 62377, Dst Port: 80, Seq: 1, Ack: 1, Len: 370
Hypertext Transfer Protocol
   GET /kurose_ross/custom.css HTTP/1.1\r\n
       [Expert Info (Chat/Sequence): GET /kurose_ross/custom.css HTTP/1.1\r\n]
       Request Method: GET
       Request URI: /kurose_ross/custom.css
       Request Version: HTTP/1.1
   Host: gaia.cs.umass.edu\r\n
   Connection: keep-alive\r\n
   User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36 Edg/
129.0.0.0\r\n
   Accept: text/css,*/*;q=0.1\r\n
   Referer: http://gaia.cs.umass.edu/kurose_ross/wireshark.php\r\n
   Accept-Encoding: gzip, deflate\r\n
   Accept-Language: vi\r\n
   \r\n
    [Full request URI: http://gaia.cs.umass.edu/kurose_ross/custom.css]
   [HTTP request 1/1]
   [Response in frame: 2207]
                      Source
No.
       Time
                                             Destination
                                                                   Protocol Length Info
  2091 20.087687
                      2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 64:ff9b::8077:f50c
                                                                                   HTTP
                                                                                             428
                                                                                                    GET /kurose ross/script.js HTTP/1.1
Frame 2091: 428 bytes on wire (3424 bits), 428 bytes captured (3424 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
id 0
Ethernet II, Src: Intel_ab:40:2d (f4:26:79:ab:40:2d), Dst: c2:e8:62:57:85:64 (c2:e8:62:57:85:64)
Internet Protocol Version 6, Src: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7, Dst: 64:ff9b::8077:f50c
Transmission Control Protocol, Src Port: 62379, Dst Port: 80, Seq: 1, Ack: 1, Len: 354
Hypertext Transfer Protocol
   GET /kurose_ross/script.js HTTP/1.1\r\n
       [Expert Info (Chat/Sequence): GET /kurose_ross/script.js HTTP/1.1\r\n]
       Request Method: GET
       Request URI: /kurose_ross/script.js
       Request Version: HTTP/1.1
   Host: gaia.cs.umass.edu\r\n
   Connection: keep-alive\r\n
   User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36 Edg/
129.0.0.0\r\n
   Accept: */*\r\n
   Referer: http://gaia.cs.umass.edu/kurose_ross/wireshark.php\r\n
   Accept-Encoding: gzip, deflate\r\n
   Accept-Language: vi\r\n
    \r\n
   [Full request URI: http://gaia.cs.umass.edu/kurose_ross/script.js]
   [HTTP request 1/1]
   [Response in frame: 2208]
No.
       Time
                      Source
                                             Destination
                                                                   Protocol Length Info
                                                                                                    HTTP/1.1 200 OK (text/html)
  2100 20.263757
                      64:ff9b::8077:f50c
                                             2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 HTTP
                                                                                             743
Frame 2100: 743 bytes on wire (5944 bits), 743 bytes captured (5944 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
Ethernet II, Src: c2:e8:62:57:85:64 (c2:e8:62:57:85:64), Dst: Intel_ab:40:2d (f4:26:79:ab:40:2d)
Internet Protocol Version 6, Src: 64:ff9b::8077:f50c, Dst: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7
Transmission Control Protocol, Src Port: 80, Dst Port: 62364, Seq: 14301, Ack: 460, Len: 669
```

```
[12 Reassembled TCP Segments (14969 bytes): #2014(1300), #2015(1300), #2016(1300), #2017(1300), #2018(1300), #2019(1300), #2020(1300),
#2021(1300), #2022(1300), #2023(1300), #2099(1300), #2100(669)]
Hypertext Transfer Protocol, has 3 chunks (including last chunk)
     HTTP/1.1 200 OK\r\n
           [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
           Response Version: HTTP/1.1
           Status Code: 200
           [Status Code Description: OK]
           Response Phrase: OK
     Date: Sat, 05 Oct 2024 04:08:21 GMT\r\n
     Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
     X-Powered-By: PHP/7.4.33\r\n
     Keep-Alive: timeout=5, max=100\r\n
     Connection: Keep-Alive\r\n
     Transfer-Encoding: chunked\r\n
     Content-Type: text/html; charset=UTF-8\r\n
      \r\n
      [HTTP response 1/2]
      [Time since request: 0.871832000 seconds]
      [Request in frame: 2010]
      [Next request in frame: 2146]
      [Next response in frame: 2457]
     [Request URI: http://gaia.cs.umass.edu/kurose_ross/wireshark.php]
     HTTP chunked response
     File Data: 14652 bytes
Line-based text data: text/html (282 lines)
           Time
                                  Source
                                                                    Destination
                                                                                                     Protocol Length Info
   2146 20.265431
                                  2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 64:ff9b::8077:f50c
                                                                                                                                                        GET /kurose_ross/
header_graphic_book_8E_3.jpg HTTP/1.1
Frame 2146: 508 bytes on wire (4064 bits), 508 bytes captured (4064 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
id 0
Ethernet II, Src: Intel_ab:40:2d (f4:26:79:ab:40:2d), Dst: c2:e8:62:57:85:64 (c2:e8:62:57:85:64)
Internet Protocol Version 6, Src: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7, Dst: 64:ff9b::8077:f50c
Transmission Control Protocol, Src Port: 62364, Dst Port: 80, Seq: 460, Ack: 14970, Len: 434
Hypertext Transfer Protocol
     \label{lem:general_graphic_book_8E_3.jpg HTTP/1.1\r\n} $$ \end{substitute} $$ \operatorname{GET /kurose\_ross/header\_graphic\_book\_8E_3.jpg HTTP/1.1\r\n} $$ \end{substitute} $$ \
           [Expert Info (Chat/Sequence): GET /kurose_ross/header_graphic_book_8E_3.jpg HTTP/1.1\r\n]
           Request Method: GET
           Request URI: /kurose_ross/header_graphic_book_8E_3.jpg
           Request Version: HTTP/1.1
     Host: gaia.cs.umass.edu\r\n
     Connection: keep-alive\r\n
     User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/129.0.0.0 Safari/537.36 Edg/
129.0.0.0\r\n
     Accept: image/avif,image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8\r\n
     Referer: http://gaia.cs.umass.edu/kurose_ross/wireshark.php\r\n
     Accept-Encoding: gzip, deflate\r\n
     Accept-Language: vi\r\n
      \r\n
     [Full request URI: http://gaia.cs.umass.edu/kurose_ross/header_graphic_book_8E_3.jpg]
      [HTTP request 2/2]
     [Prev request in frame: 2010]
     [Response in frame: 2457]
No.
           Time
                                  Source
                                                                   Destination
                                                                                                     Protocol Length Info
   2207 20.426079
                                  64:ff9b::8077:f50c
                                                                   2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 HTTP
                                                                                                                                                       HTTP/1.1 200 OK (text/css)
                                                                                                                                             602
Frame 2207: 602 bytes on wire (4816 bits), 602 bytes captured (4816 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
id 0
Ethernet II, Src: c2:e8:62:57:85:64 (c2:e8:62:57:85:64), Dst: Intel_ab:40:2d (f4:26:79:ab:40:2d)
Internet Protocol Version 6, Src: 64:ff9b::8077:f50c, Dst: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7
Transmission Control Protocol, Src Port: 80, Dst Port: 62377, Seq: 3901, Ack: 371, Len: 528
[4 Reassembled TCP Segments (4428 bytes): #2204(1300), #2205(1300), #2206(1300), #2207(528)]
Hypertext Transfer Protocol
     HTTP/1.1 200 OK\r\n
           [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
           Response Version: HTTP/1.1
           Status Code: 200
           [Status Code Description: OK]
           Response Phrase: OK
     Date: Sat, 05 Oct 2024 04:08:22 GMT\r\n
     Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
     Last-Modified: Fri, 20 Aug 2021 13:49:08 GMT\r\n
     ETag: "ff4-5c9fdee78c6e4"\r
     Accept-Ranges: bytes\r\n
     Content-Length: 4084\r\n
     Keep-Alive: timeout=5, max=100\r\n
     Connection: Keep-Alive\r\n
     Content-Type: text/css\r\n
      \r\n
      [HTTP response 1/1]
     [Time since request: 0.345124000 seconds]
      [Request in frame: 2073]
      [Request URI: http://gaia.cs.umass.edu/kurose_ross/custom.css]
     File Data: 4084 bytes
Line-based text data: text/css (226 lines)
           Time
                                  Source
                                                                   Destination
                                                                                                     Protocol Length Info
```

```
2208 20.426079
                      64:ff9b::8077:f50c
                                            2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 HTTP
                                                                                             1369
                                                                                                    HTTP/1.1 200 OK (application/
javascript)
Frame 2208: 1369 bytes on wire (10952 bits), 1369 bytes captured (10952 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-
D8967079945C}, id 0
Ethernet II, Src: c2:e8:62:57:85:64 (c2:e8:62:57:85:64), Dst: Intel_ab:40:2d (f4:26:79:ab:40:2d)
Internet Protocol Version 6, Src: 64:ff9b::8077:f50c, Dst: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7
Transmission Control Protocol, Src Port: 80, Dst Port: 62379, Seq: 1, Ack: 355, Len: 1295
Hypertext Transfer Protocol
   HTTP/1.1 200 OK\r\n
       [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
       Response Version: HTTP/1.1
       Status Code: 200
       [Status Code Description: OK]
       Response Phrase: OK
   Date: Sat, 05 Oct 2024 04:08:22 GMT\r\n
   Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
   Last-Modified: Mon, 19 Jul 2021 15:35:17 GMT\r\n
   ETag: "3aa-5c77baf269740"\r\n
   Accept-Ranges: bytes\r\n
   Content-Length: 938\r\n
   Keep-Alive: timeout=5, max=100\r\n
   Connection: Keep-Alive\r\n
   Content-Type: application/javascript\r\n
   \r\n
   [HTTP response 1/1]
   [Time since request: 0.338392000 seconds]
    [Request in frame: 2091]
   [Request URI: http://gaia.cs.umass.edu/kurose_ross/script.js]
   File Data: 938 bytes
Media Type
No.
                                                                   Protocol Length Info
       Time
                      Source
                                             Destination
  2457 21.595374
                      64:ff9b::8077:f50c
                                            2402:9d80:346:3b5a:c967:fdb9:21bf:35e7 HTTP
                                                                                             456
                                                                                                    HTTP/1.1 200 OK (JPEG JFIF image)
Frame 2457: 456 bytes on wire (3648 bits), 456 bytes captured (3648 bits) on interface \Device\NPF_{0A55BDFD-2A6B-40D2-8029-D8967079945C},
Ethernet II, Src: c2:e8:62:57:85:64 (c2:e8:62:57:85:64), Dst: Intel_ab:40:2d (f4:26:79:ab:40:2d)
Internet Protocol Version 6, Src: 64:ff9b::8077:f50c, Dst: 2402:9d80:346:3b5a:c967:fdb9:21bf:35e7
Transmission Control Protocol, Src Port: 80, Dst Port: 62364, Seq: 203470, Ack: 894, Len: 382
[146 Reassembled TCP Segments (188882 bytes): #2285(1300), #2286(1300), #2287(1300), #2288(1300), #2291(1300), #2292(1300), #2293(1300),
#2295(1300), #2296(1300), #2297(1300), #2298(1300), #2299(1300), #2300(1300), #2301(1300), #2302(1300)]
Hypertext Transfer Protocol
   HTTP/1.1 200 OK\r\n
       [Expert Info (Chat/Sequence): HTTP/1.1 200 OK\r\n]
       Response Version: HTTP/1.1
       Status Code: 200
       [Status Code Description: OK]
       Response Phrase: OK
   Date: Sat, 05 Oct 2024 04:08:22 GMT\r\n
   Server: Apache/2.4.6 (CentOS) OpenSSL/1.0.2k-fips PHP/7.4.33 mod_perl/2.0.11 Perl/v5.16.3\r\n
   Last-Modified: Fri, 30 Jul 2021 16:33:35 GMT\r\n
   ETag: "2e075-5c859c7e6f5c0"\r\n
   Accept-Ranges: bytes\r\n
   Content-Length: 188533\r\n
   Keep-Alive: timeout=5, max=99\r\n
   Connection: Keep-Alive\r\n
   Content-Type: image/jpeg\r\n
    \r\n
    [HTTP response 2/2]
    [Time since request: 1.329943000 seconds]
    [Prev request in frame: 2010]
    [Prev response in frame: 2100]
    [Request in frame: 2146]
    [Request URI: http://gaia.cs.umass.edu/kurose_ross/header_graphic_book_8E_3.jpg]
```

File Data: 188533 bytes JPEG File Interchange Format