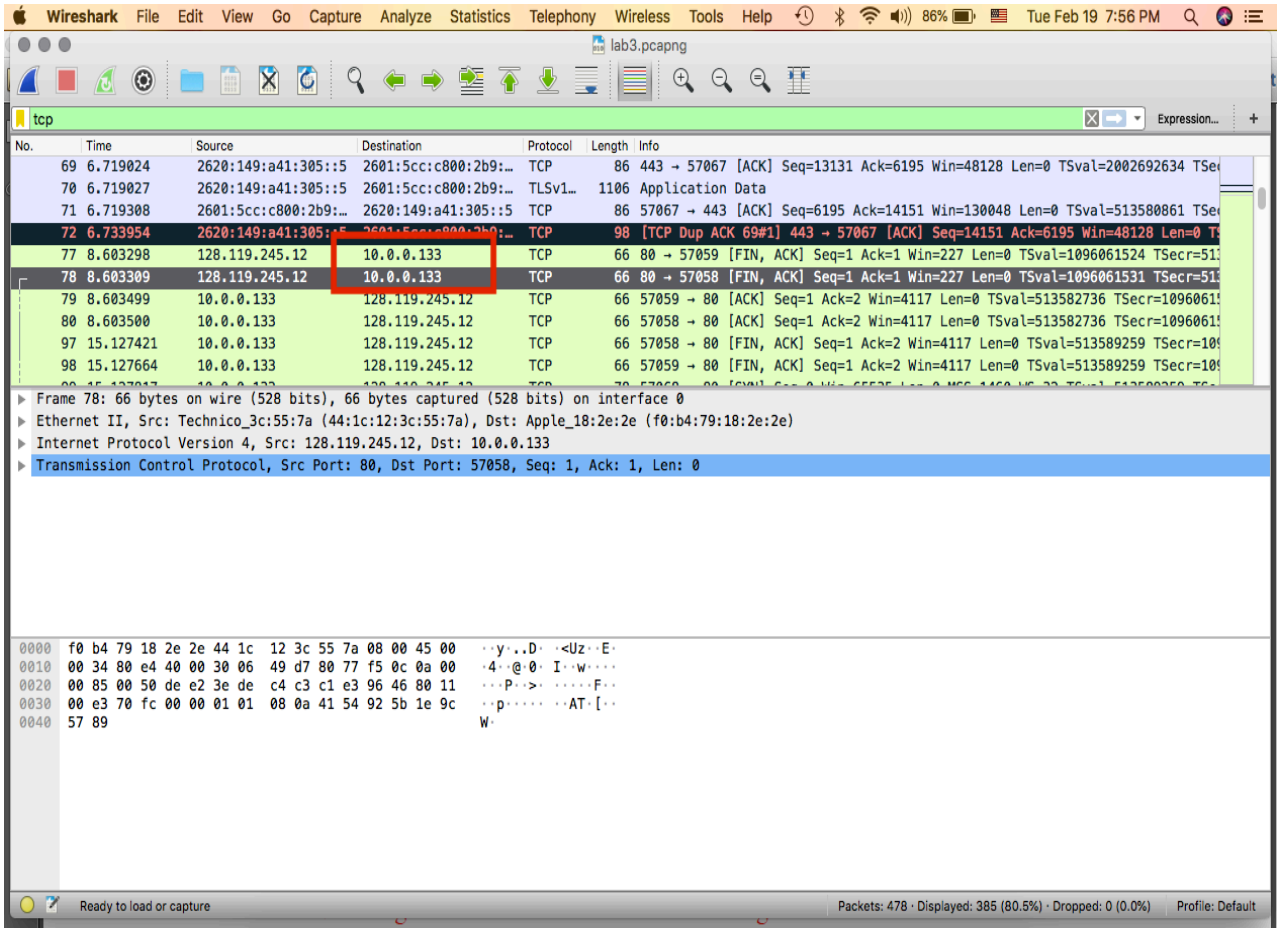
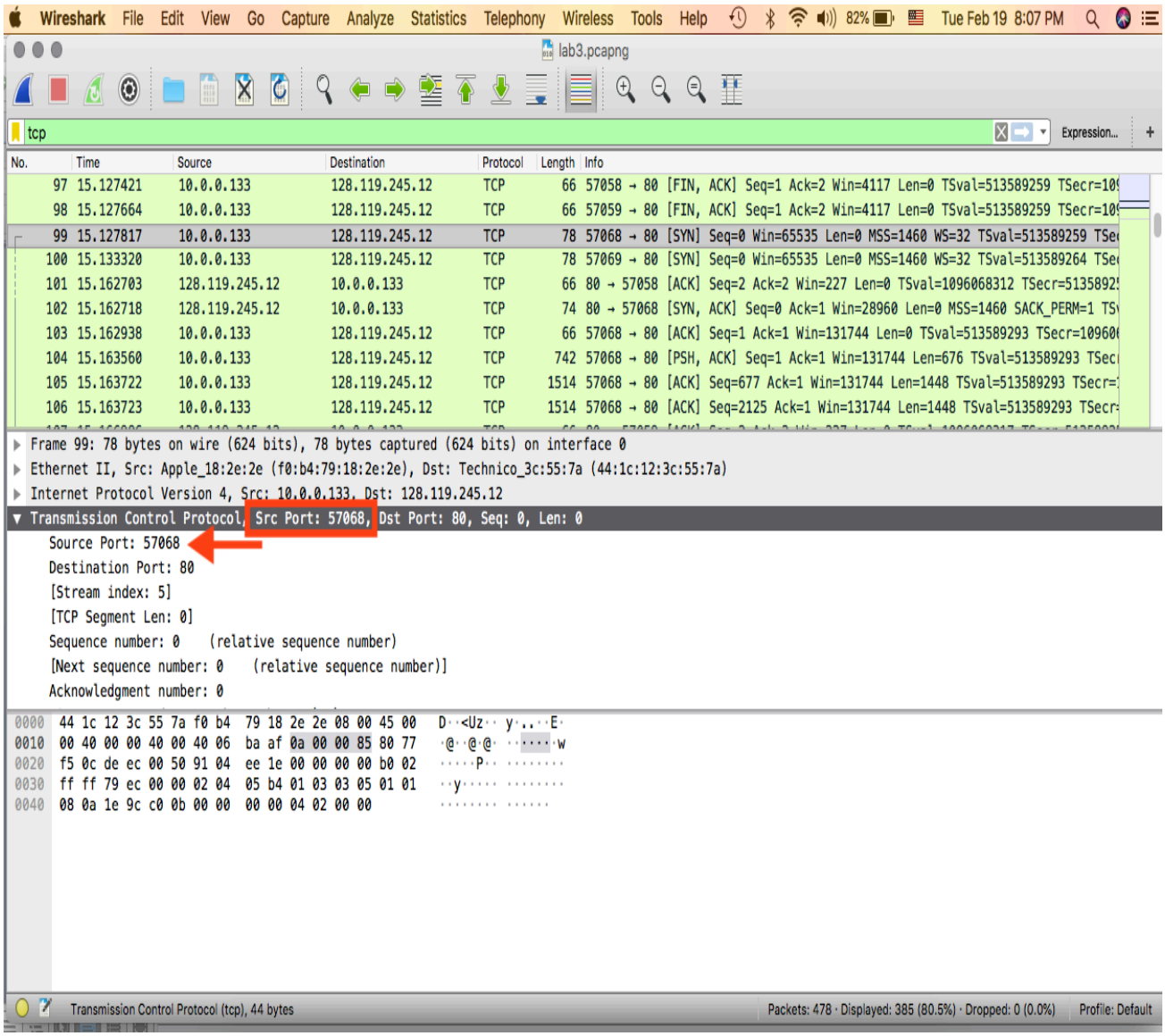
Shahad bin himd
IT520
LAB3

MY IP 10.0.0.133



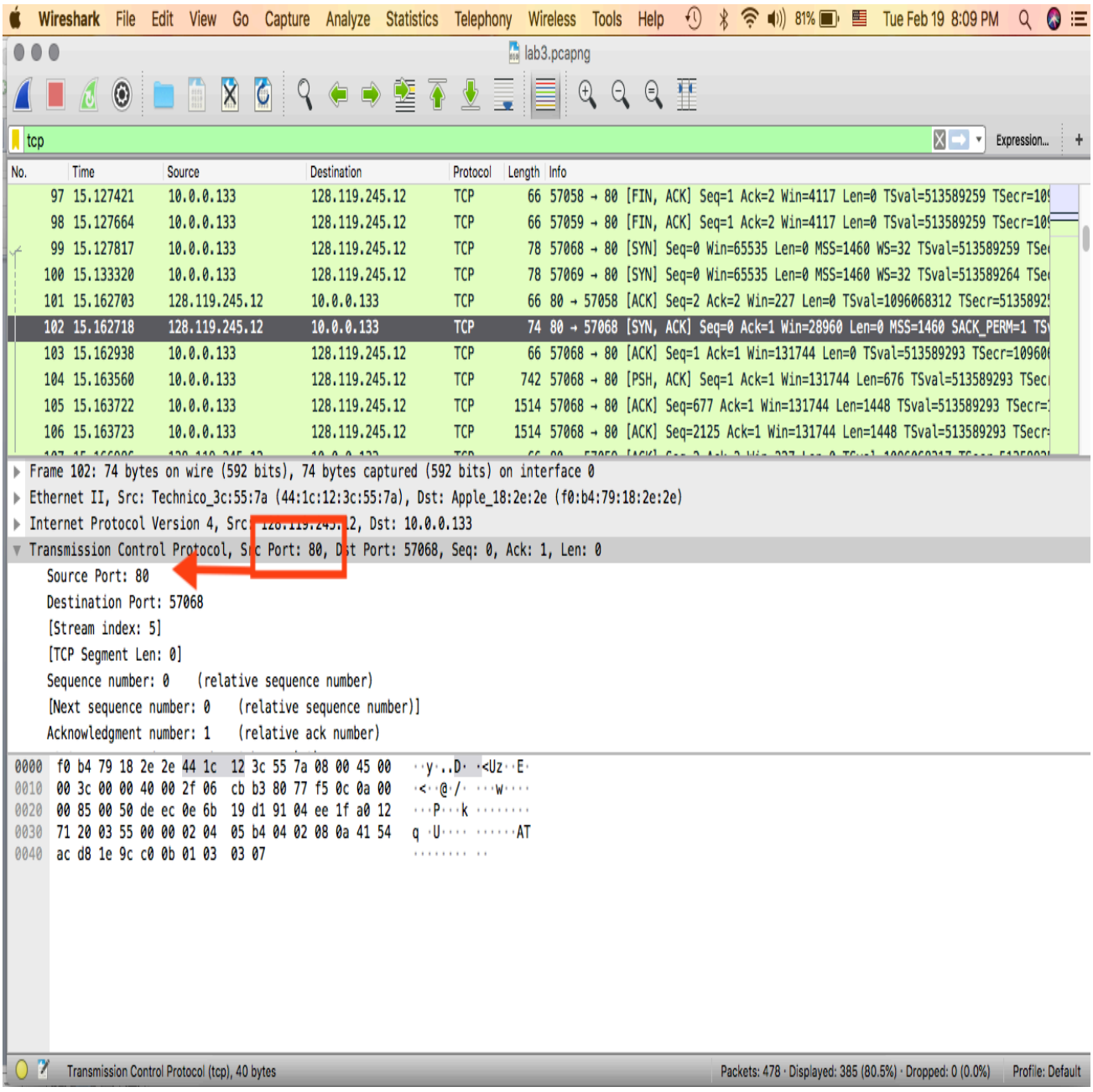
1. What is the TCP port number used by your computer to communicate with gaia.cs.umass.edu?

57068



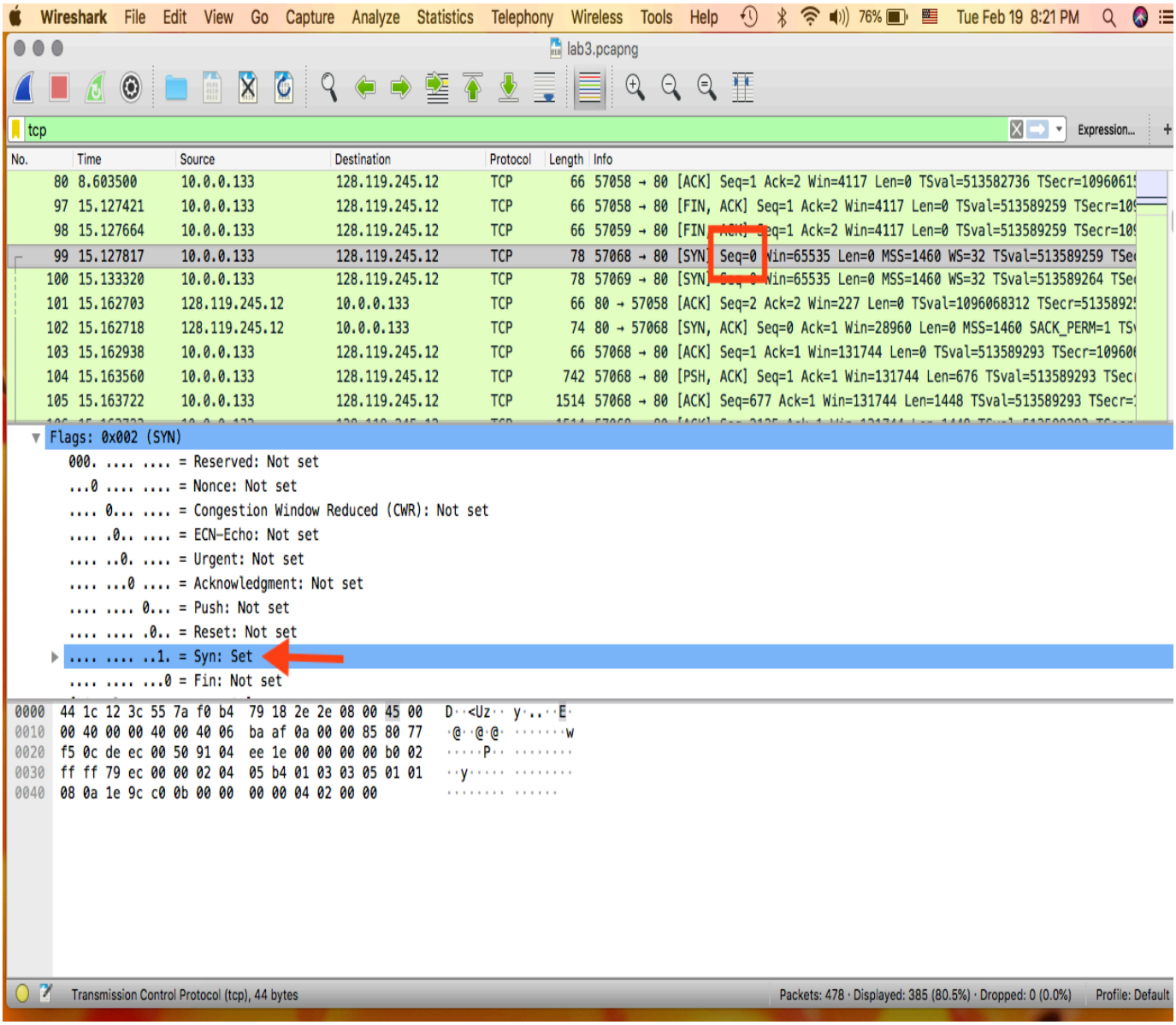
2. What is the TCP port number used by gaia.cs.umass.edu to communicate with your computer?

PORT: 80



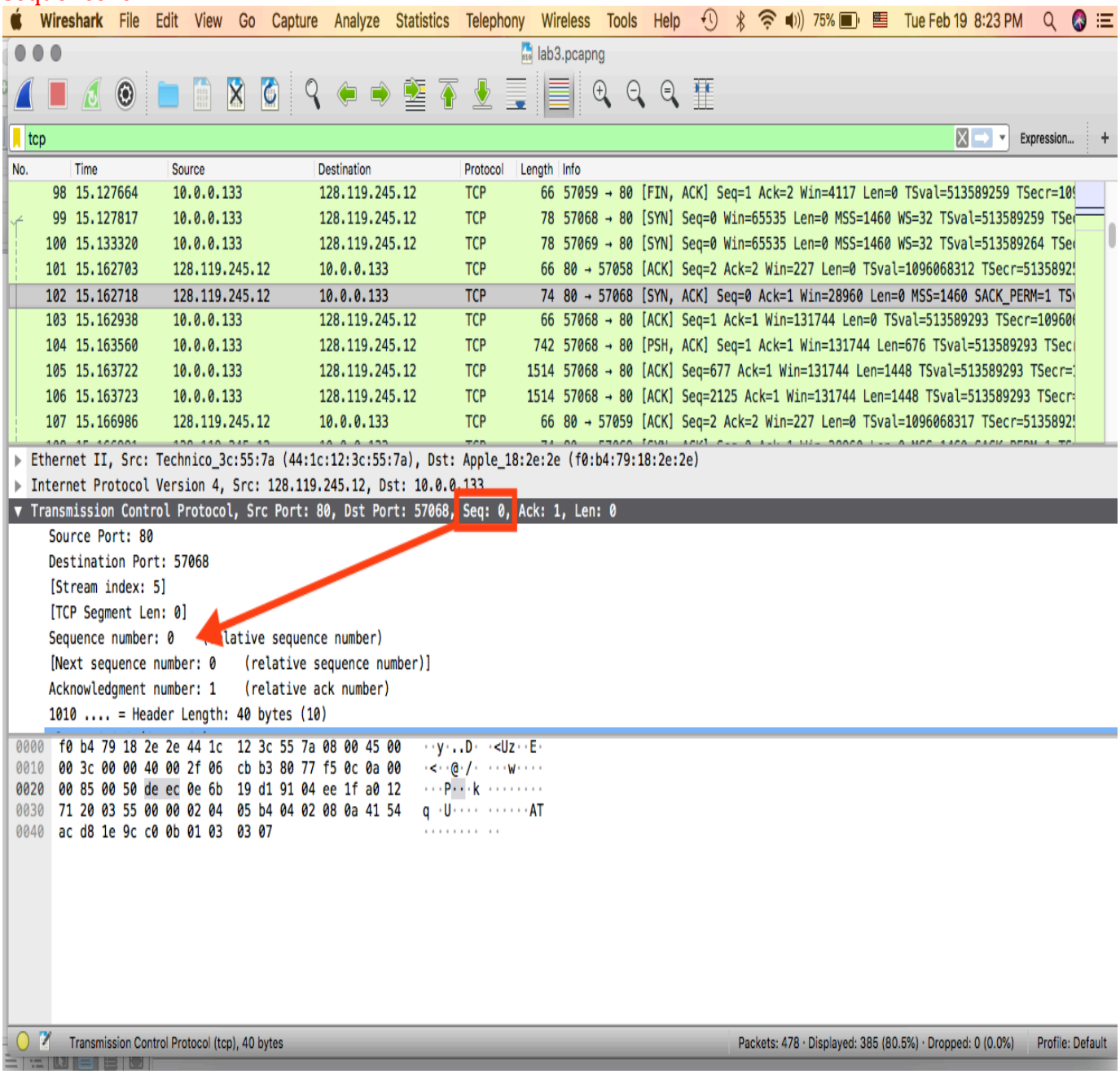
3. What is the sequence number of the TCP SYN segment that is used to initiate the TCP connection between your computer and gaia.cs.umass.edu? What is it in the segment that identifies the segment as a SYN segment?

Segment : 0 syn seg: 1



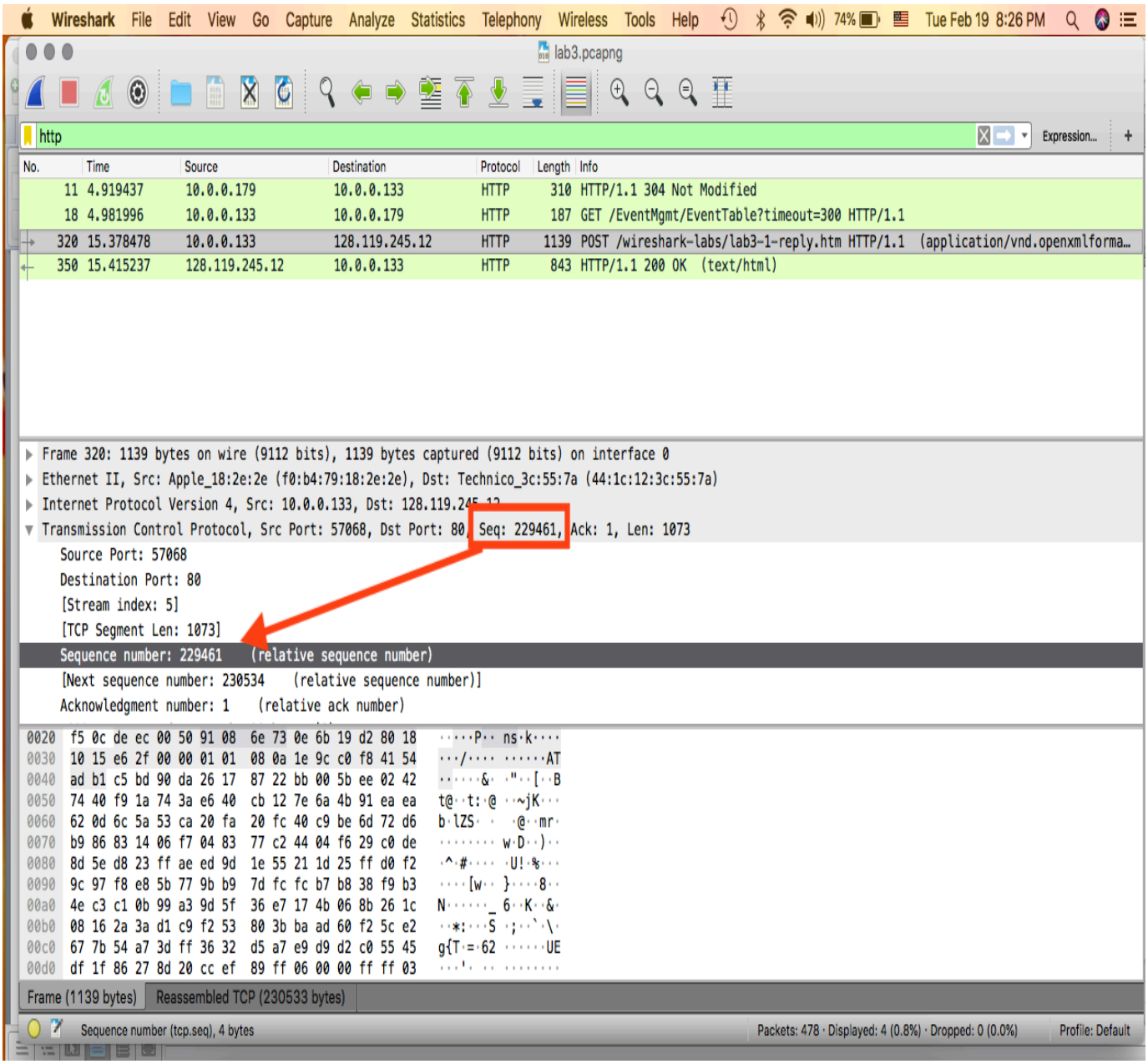
4. What is the sequence number of the SYNACK segment sent by gaia.cs.umass.edu to the client computer in reply to the SYN? - You must dig deep and find the ACK from gaia.cs.umass.edu.

sequence: 0



5.

seq: 229461


Wireshark File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Tue Feb 19 8:26 PM
lab3.pcapng
http
Expression...
No. Time Source Destination Protocol Length Info
11 4.919437 10.0.0.179 10.0.0.133 HTTP 310 HTTP/1.1 304 Not Modified
18 4.981996 10.0.0.133 10.0.0.179 HTTP 187 GET /EventMgmt/EventTable?timeout=300 HTTP/1.1
320 15.378478 10.0.0.133 128.119.245.12 HTTP 1139 POST /wireshark-labs/lab3-1-reply.htm HTTP/1.1 (application/vnd.openxmlforma…
350 15.415237 128.119.245.12 10.0.0.133 HTTP 843 HTTP/1.1 200 OK (text/html)
Frame 320: 1139 bytes on wire (9112 bits), 1139 bytes captured (9112 bits) on interface 0
Ethernet II, Src: Apple_18:2e:2e (f0:b4:79:18:2e:2e), Dst: Technico_3c:55:7a (44:1c:12:3c:55:7a)
Internet Protocol Version 4, Src: 10.0.0.133, Dst: 128.119.245.12
Transmission Control Protocol, Src Port: 57068, Dst Port: 80, Seq: 229461, Ack: 1, Len: 1073
Source Port: 57068
Destination Port: 80
[Stream index: 5]
[TCP Segment Len: 1073]
Sequence number: 229461 (relative sequence number)
[Next sequence number: 230534 (relative sequence number)]
Acknowledgment number: 1 (relative ack number)
0020 f5 0c de ec 00 50 91 08 6e 73 0e 6b 19 d2 80 18
0030 10 15 e6 2f 00 00 01 01 08 0a 1e 9c c0 f8 41 54
0040 ad b1 c5 bd 90 da 26 17 87 22 bb 00 5b ee 02 42
0050 74 40 f9 1a 74 3a e6 40 cb 12 7e 6a 4b 91 ea ea
0060 62 0d 6c 5a 53 ca 20 fa 20 fc 40 c9 be 6d 72 d6
0070 b9 86 83 14 06 f7 04 83 77 c2 44 04 f6 29 c0 de
0080 8d 5e d8 23 ff ae ed 9d 1e 55 21 1d 25 ff d0 f2
0090 9c 97 f8 e8 5b 77 9b b9 7d fc fc b7 b8 38 f9 b3
00a0 4e c3 c1 0b 99 a3 9d 5f 36 e7 17 4b 06 8b 26 1c
00b0 08 16 2a 3a d1 c9 f2 53 80 3b ba ad 60 f2 5c e2
00c0 67 7b 54 a7 3d ff 36 32 d5 a7 e9 d9 d2 c0 55 45
00d0 df 1f 86 27 8d 20 cc ef 89 ff 06 00 00 ff ff 03
Frame (1139 bytes)
Reassembled TCP (230533 bytes)
Sequence number (tcp.seq), 4 bytes
Packets: 478 · Displayed: 4 (0.8%) · Dropped: 0 (0.0%)
Profile: Default

/Users/therbh/lab3.pcapng 478 total packets, 4 shown

```
No.     Time           Source                Destination           Protocol Length Info
    350 15.415237      128.119.245.12        10.0.0.133            HTTP     843    HTTP/1.1 200
OK  (text/html)
Frame 350: 843 bytes on wire (6744 bits), 843 bytes captured (6744 bits) on interface 0
Ethernet II, Src: Technico_3c:55:7a (44:1c:12:3c:55:7a), Dst: Apple_18:2e:2e (f0:b4:79:18:2e:
2e)
Internet Protocol Version 4, Src: 128.119.245.12, Dst: 10.0.0.133
Transmission Control Protocol, Src Port: 80, Dst Port: 57068, Seq: 1, Ack: 230534, Len: 777
    Source Port: 80
    Destination Port: 57068
    [Stream index: 5]
    [TCP Segment Len: 777]
    Sequence number: 1    (relative sequence number)
    [Next sequence number: 778    (relative sequence number)]
    Acknowledgment number: 230534    (relative ack number)
    1000 .... = Header Length: 32 bytes (8)
    Flags: 0x018 (PSH, ACK)
    Window size value: 2037
    [Calculated window size: 260736]
    [Window size scaling factor: 128]
    Checksum: 0x8c9c [unverified]
    [Checksum Status: Unverified]
    Urgent pointer: 0
    Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps
    [SEQ/ACK analysis]
    [Timestamps]
    TCP payload (777 bytes)
Hypertext Transfer Protocol
Line-based text data: text/html (11 lines)
```