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Lab 01

1) The only change I made was to the file lookup.c. Here I just added a terminating statement into the for loop that said to stop when dp == NULL. I found the problem using GDB. When I ran the program in GDB, it let me know that the problem was on line 450 in the file lookup.c. I used the backtrace command and frame 0 command to go to the problem line. I then used the info locals command to show me what each variable was at the time of the problem. This showed me that the variable dp went to NULL after the for loop changed dp to dp→next. For this lab the command info helped me out the most since I was able to instantly see what the problem was.

2)
Old value: 0
New value: 2

Old value: 2
New value: 248

Old value: 248
New value: 228

Old value: 228
New value: 208

Old value: 208
New value: 188

Old value: 188
New value: 168

Old value: 168
New value: 169

Old value: 169
New value: 149

Old value: 149
New value: 129

Old value: 129
New value: 180

Old value: 180
New value: 160

Old value: 160
New value: 140