Assignment 5

How to Run

1. In order to launch the firewall simulator, you need to execute the following command where "<config file>" is your set of rules and "<input file>" is your set of input packets:

   cat <input file > | python3 fw.py <config file>

   Example: cat input.txt | python3 fw.py config.txt
   OR
   python3 fw.py config.txt < input.txt

2. Once the firewall simulator runs, it will print results to stdout which you can pipe to a file or read off of the screen.

3. The program will also print errors to stderr should it encounter any problems with the rules or packets.
   The error messages have the following format:

   Rule Error on Line: __
   Continuing…
   OR
   Packet Error on Line: __
   Continuing…

   Where __ will be the line number in either the config or input file that caused the error.