**DoS attack detection and prevention**

To run the DoS p4 program, follow these steps:

1. Open the dos folder in the terminal
2. $ sudo p4run
3. Mininet will open after the compilation is complete
4. mininet> xterm h1 h2 s1
5. In s1: $python get\_digest.py
6. In h2: $python receive.py 5000
7. In h1:
   1. For performing DoS attack: $python dos.py 10.0.2.2 5000 1000

(reciever will only recieve 100 packets, see s1 to get attacker IP)

* 1. For sending packets at a normal rate: $python send.py 10.0.2.2 5000 1000

(reciever will receive all the 1000 packets)