**Example 3.** This example gives a sample output where the master switch, psw1, and psw2 are started in this order (from three different terminal windows on the same lab workstation). However, since psw1 delays for 5000 msec, queries from psw2 comes to the master switch before queries from psw1. Note also that while psw1 delays reading from the data file, the switch has received and processed two relayed packets.

**Note:** The output below shows all received and transmitted packets for each switch. This feature is not required in the assignment, however, it is highly recommended for gaining partial marks if the submitted assignment does not work as specified.

## Sample output (edited for clarity):

• Master switch output:

```
Transmitted (src= master, dest= psw1) [ADD]:
  (srcIP= 0-1000, destIP= 200-210, action= FORWARD:2, pktCount= 0)
```

## • Packet switch 1 output:

```
Transmitted (src= psw1, dest= master) [HELLO]:
  (port0= master, port1= null, port2= psw2, port3= 100-110)
Received (src= master, dest= psw1) [HELLO_ACK]

** Entering a delay period of 5000 msec

Received (src= psw2, dest= psw1) [RELAY]: header= (srcIP= 200, destIP= 100)
Received (src= psw2, dest= psw1) [RELAY]: header= (srcIP= 200, destIP= 100)

** Delay period ended

Transmitted (src= psw1, dest= master) [ASK]: header= (srcIP= 100, destIP= 200)
Received (src= master, dest= psw1) [ADD]:
  (srcIP= 0-1000, destIP= 200-210, action= FORWARD:2, pktCount= 0)
......
```

## • Packet switch 2 output:

```
Transmitted (src= psw2, dest= master) [HELLO]:
  (port0= master, port1= psw1, port2= null, port3= 200-210)
Received (src= master, dest= psw2) [HELLO_ACK]

Transmitted (src= psw2, dest= master) [ASK]: header= (srcIP= 200, destIP= 300)
Received (src= master, dest= psw2) [ADD]:
  (srcIP= 0-1000, destIP= 300-300, action= DROP:0, pktCount= 0)

Transmitted (src= psw2, dest= master) [ASK]: header= (srcIP= 200, destIP= 100)
Received (src= master, dest= psw2) [ADD]:
  (srcIP= 0-1000, destIP= 100-110, action= FORWARD:1, pktCount= 0)
```