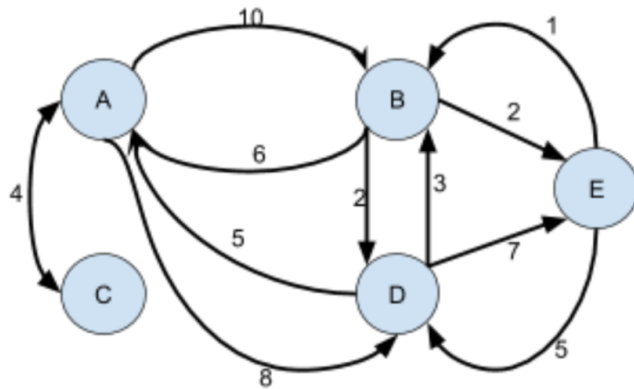I implemented the topology below:

A is localhost:8000
B is localhost:8001
C is localhost:8002
D is localhost:8003
E is localhost:8004

Here are the converging screenshots:
A
./jrip34 -p 8000 localhost:8001:10 localhost:8002:4 localhost:8003:8

```
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jrip34 -p 8000 localhost:8001:10 localhost:8002:4
 localhost:8003:8
[IP/PORT DESTINATION] [DISTANCE] [NEXT_HOP]
127.0.0.1:8001         10         127.0.0.1:8001
127.0.0.1:8003         8          127.0.0.1:8003
127.0.0.1:8002         4          127.0.0.1:8002
[IP/PORT DESTINATION] [DISTANCE] [NEXT_HOP]
127.0.0.1:8001         10         127.0.0.1:8001
127.0.0.1:8003         8          127.0.0.1:8003
127.0.0.1:8002         4          127.0.0.1:8002
127.0.0.1:8004         12         127.0.0.1:8001
[IP/PORT DESTINATION] [DISTANCE] [NEXT_HOP]
127.0.0.1:8001         10         127.0.0.1:8001
127.0.0.1:8003         8          127.0.0.1:8003
127.0.0.1:8002         4          127.0.0.1:8002
127.0.0.1:8004         12         127.0.0.1:8001
```

B
./jrip34 -p 8001 localhost:8000:6 localhost:8003:2 localhost:8004:2

```
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jrip34 -p 8001 localhost:8000:6 localhost:8003:2
localhost:8004:2
[IP/PORT DESTINATION] [DISTANCE] [NEXT_HOP]
127.0.0.1:8000         6          127.0.0.1:8000
127.0.0.1:8003         2          127.0.0.1:8003
127.0.0.1:8002         10         127.0.0.1:8000
127.0.0.1:8004         2          127.0.0.1:8004
[IP/PORT DESTINATION] [DISTANCE] [NEXT_HOP]
127.0.0.1:8000         6          127.0.0.1:8000
127.0.0.1:8003         2          127.0.0.1:8003
127.0.0.1:8002         10         127.0.0.1:8000
127.0.0.1:8004         2          127.0.0.1:8004
[IP/PORT DESTINATION] [DISTANCE] [NEXT_HOP]
127.0.0.1:8000         6          127.0.0.1:8000
127.0.0.1:8003         2          127.0.0.1:8003
127.0.0.1:8002         10         127.0.0.1:8000
127.0.0.1:8004         2          127.0.0.1:8004
```

C

./jrip34 -p 8002 localhost:8000:4

```
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jrip34 -p 8002 localhost:8000:4
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           14          127.0.0.1:8000
127.0.0.1:8000           4           127.0.0.1:8000
127.0.0.1:8003           12          127.0.0.1:8000
127.0.0.1:8004           19          127.0.0.1:8000
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           14          127.0.0.1:8000
127.0.0.1:8000           4           127.0.0.1:8000
127.0.0.1:8003           12          127.0.0.1:8000
127.0.0.1:8004           16          127.0.0.1:8000
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           14          127.0.0.1:8000
127.0.0.1:8000           4           127.0.0.1:8000
127.0.0.1:8003           12          127.0.0.1:8000
127.0.0.1:8004           16          127.0.0.1:8000
```

D

./jrip34 -p 8003 localhost:8000:5 localhost:8001:3 localhost:8004:7

```
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jrip34 -p 8003 localhost:8000:5 localhost:8001:3
localhost:8004:7
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           3           127.0.0.1:8001
127.0.0.1:8000           5           127.0.0.1:8000
127.0.0.1:8002           9           127.0.0.1:8000
127.0.0.1:8004           5           127.0.0.1:8001
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           3           127.0.0.1:8001
127.0.0.1:8000           5           127.0.0.1:8000
127.0.0.1:8002           9           127.0.0.1:8000
127.0.0.1:8004           5           127.0.0.1:8001
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           3           127.0.0.1:8001
127.0.0.1:8000           5           127.0.0.1:8000
127.0.0.1:8002           9           127.0.0.1:8000
127.0.0.1:8004           5           127.0.0.1:8001
```

E

./jrip34 -p 8004 localhost:8001:1 localhost:8003:5

```
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jrip34 -p 8004 localhost:8001:1 localhost:8003:5
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           1           127.0.0.1:8001
127.0.0.1:8000           7           127.0.0.1:8001
127.0.0.1:8003           3           127.0.0.1:8001
127.0.0.1:8002           11          127.0.0.1:8001
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           1           127.0.0.1:8001
127.0.0.1:8000           7           127.0.0.1:8001
127.0.0.1:8003           3           127.0.0.1:8001
127.0.0.1:8002           11          127.0.0.1:8001
[IP/PORT DESTINATION] [DISTANCE]  [NEXT_HOP]
127.0.0.1:8001           1           127.0.0.1:8001
127.0.0.1:8000           7           127.0.0.1:8001
127.0.0.1:8003           3           127.0.0.1:8001
127.0.0.1:8002           11          127.0.0.1:8001
```

Traceroute is shown as below:

```
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jtraceroute -p 7999 localhost:8000 localhost:8002
127.0.0.1:8000
127.0.0.1:8002
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jtraceroute -p 7999 localhost:8000 localhost:8003
127.0.0.1:8000
127.0.0.1:8003
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jtraceroute -p 7999 localhost:8000 localhost:8004
127.0.0.1:8000
127.0.0.1:8001
127.0.0.1:8004
xinwei@Xinweis-MacBook-Pro:~/Documents/GitHub/jrip/step3$ ./jtraceroute -p 7999 localhost:8001 localhost:8002
127.0.0.1:8001
127.0.0.1:8000
127.0.0.1:8002
```