

SDN-A3

Task 2 (11 points):

```
mininet> h4 iperf -s -p 4001
```

```
-----  
Server listening on TCP port 4001  
TCP window size: 85.3 KByte (default)  
-----
```

```
mininet> h5 iperf -c h4 -p 4001  
connect failed: No route to host  
mininet>
```

```
mininet> h1 iperf -c h4 -p 4001  
connect failed: No route to host  
mininet>
```

```
mininet> h4 iperf -s -p 8080
```

```
-----  
Server listening on TCP port 8080  
TCP window size: 85.3 KByte (default)  
-----
```

```
mininet> h5 iperf -c h4 -p 8080  
connect failed: No route to host
```

```
mininet> h5 iperf -s -p 1000
```

```
-----  
Server listening on TCP port 1000  
TCP window size: 85.3 KByte (default)  
-----
```

```
mininet>
mininet> h2 iperf -c h5 -p 1000
connect failed: No route to host
mininet>
```

```
mininet> h1 iperf -c h5 -p 1000
connect failed: No route to host
mininet>
```

```
mininet>
mininet> h7 iperf -c h5 -p 1000
connect failed: No route to host
mininet>
```

```
mininet> h5 iperf -s -p 8080
```

```
-----
Server listening on TCP port 8080
TCP window size: 85.3 KByte (default)
-----
```

```
mininet>
mininet> h2 iperf -c h5 -p 8080
connect failed: No route to host
mininet>
```

Task 3 (4 points):

```
mininet>
mininet> iperf h1 h3
*** Iperf: testing TCP bandwidth between h1 and h3
no route to 10.0.0.3:
Kernel IP routing table
Destination      Gateway         Genmask         Flags Metric Ref    Use
Iface
10.0.0.0          0.0.0.0         255.0.0.0       U        0      0      0
h1-eth0
```

```
mininet>
mininet> iperf h1 h2
*** Iperf: testing TCP bandwidth between h1 and h2
no route to 10.0.0.2:
Kernel IP routing table
Destination      Gateway         Genmask         Flags Metric Ref    Use
Iface
10.0.0.0          0.0.0.0         255.0.0.0       U        0      0      0
h1-eth0
Traceback (most recent call last):
```

```
mininet> iperf h2 h1
```

```
*** Iperf: testing TCP bandwidth between h2 and h1
```

```
no route to 10.0.0.1:
```

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use
10.0.0.0	0.0.0.0	255.0.0.0	U	0	0	0

```
Iface
```

```
h2-eth0
```

```
mininet> iperf h2 h5
```

```
*** Iperf: testing TCP bandwidth between h2 and h5
```

```
no route to 10.0.0.5:
```

```
Kernel IP routing table
```

Destination	Gateway	Genmask	Flags	Metric	Ref	Use
10.0.0.0	0.0.0.0	255.0.0.0	U	0	0	0

```
Iface
```

```
h2-eth0
```