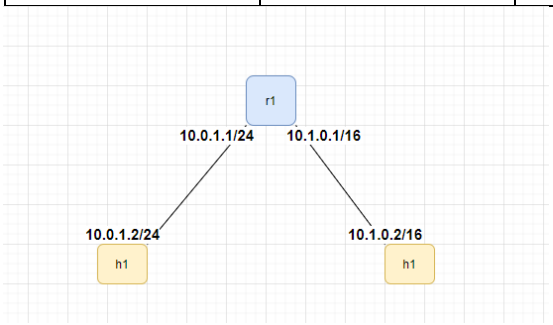
Aufgabe 4.1

Geben Sie alle Routing Tabellen an.

Zielnetz	Maske	Port	Hops
10.0.1.0	255.255.255.0	0	1
10.1.0.0	255.255.0.0	1	2

Geben sie jede Host Konfiguration an

Device	Interface	IP-Address
r1	r1-eth-0	10.0.1.1/24
	r1-eth-1	10.1.0.1/16
h1	h1-eth-0	10.0.1.2/24
h2	h2-eth-0	10.1.0.2/16



Geben sie die Befehle an, die sie zur Anlage der Routen benötigen.
→ im Quellcode → Aufgabe4_1.py

Überprüfen Sie Ihre Konfiguration mit mininet

```
mininet> h1 ping h2
PING 10.1.0.2 (10.1.0.2) 56(84) bytes of data.
64 bytes from 10.1.0.2: icmp_seq=1 ttl=63 time=0.055 ms
64 bytes from 10.1.0.2: icmp_seq=2 ttl=63 time=0.115 ms
64 bytes from 10.1.0.2: icmp_seq=3 ttl=63 time=0.109 ms
64 bytes from 10.1.0.2: icmp_seq=4 ttl=63 time=0.105 ms
64 bytes from 10.1.0.2: icmp_seq=5 ttl=63 time=0.059 ms
64 bytes from 10.1.0.2: icmp_seq=6 ttl=63 time=0.049 ms
64 bytes from 10.1.0.2: icmp_seq=7 ttl=63 time=0.036 ms
64 bytes from 10.1.0.2: icmp_seq=8 ttl=63 time=0.053 ms
64 bytes from 10.1.0.2: icmp_seq=9 ttl=63 time=0.040 ms
64 bytes from 10.1.0.2: icmp_seq=10 ttl=63 time=0.037 ms
64 bytes from 10.1.0.2: icmp_seq=11 ttl=63 time=0.046 ms
^C
--- 10.1.0.2 ping statistics ---
11 packets transmitted, 11 received, 0% packet loss, time 10147ms
rtt min/avg/max/mdev = 0.036/0.064/0.115/0.028 ms
mininet> h2 ping h1
PING 10.0.1.2 (10.0.1.2) 56(84) bytes of data.
64 bytes from 10.0.1.2: icmp_seq=1 ttl=63 time=0.037 ms
64 bytes from 10.0.1.2: icmp_seq=2 ttl=63 time=0.050 ms
64 bytes from 10.0.1.2: icmp_seq=3 ttl=63 time=0.103 ms
64 bytes from 10.0.1.2: icmp_seq=4 ttl=63 time=0.076 ms
64 bytes from 10.0.1.2: icmp_seq=5 ttl=63 time=0.076 ms
64 bytes from 10.0.1.2: icmp_seq=6 ttl=63 time=0.036 ms
64 bytes from 10.0.1.2: icmp_seq=7 ttl=63 time=0.067 ms
64 bytes from 10.0.1.2: icmp_seq=8 ttl=63 time=0.072 ms
64 bytes from 10.0.1.2: icmp_seq=9 ttl=63 time=0.063 ms
64 bytes from 10.0.1.2: icmp_seq=10 ttl=63 time=0.103 ms
^C
--- 10.0.1.2 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9230ms
rtt min/avg/max/mdev = 0.036/0.068/0.103/0.022 ms
mininet>
```