**Part1**

ping 172.31.0.254

ping 172.31.1.190

**Part2**

**Step1**

**R1>**en

**R1#**conf t

Enter configuration commands, one per line. End with CNTL/Z.

**R1(config)#**ip route 172.31.0.0 255.255.255.0 172.31.1.193

**R1(config)#**ip route 172.31.1.128 255.255.255.192 172.31.1.193

**R1(config)#**ip route 172.31.1.196 255.255.255.252 172.31.1.193

**R1(config)#**ip route 172.31.1.128 255.255.255.192 172.31.1.193

**Step2**

**R2>**en

**R2#**conf t

Enter configuration commands, one per line. End with CNTL/Z.

**R2(config)#**ip route 172.31.1.0 255.255.255.128 se0/0/0

**R2(config)#**ip route 172.31.1.128 255.255.255.192 s0/0/1

**Step3**

**R3>**en

**R3#**conf t

Enter configuration commands, one per line. End with CNTL/Z.

**R3(config)#**ip route 0.0.0.0 0.0.0.0 s0/0/1