

PAT (nat overload)

R1:-

```
Router>en
Router#conf t
Router(config)#hostname edgerouter
edgerouter(config)#int gig 0/0/0
edgerouter(config-if)#ip address 10.1.1.254 255.255.255.0
edgerouter(config-if)#ip nat inside
edgerouter(config-if)#no shut
edgerouter(config-if)#exit
edgerouter(config)#int se 0/1/0
edgerouter(config-if)#ip address 170.168.2.1 255.255.255.0
edgerouter(config-if)#ip nat outside
edgerouter(config-if)#clock rate 64000
edgerouter(config-if)#no shut
edgerouter(config-if)#exit
edgerouter(config)#router rip
edgerouter(config-router)#network 10.0.0.0
edgerouter(config-router)#network 170.168.2.0
edgerouter(config-router)#exit
edgerouter(config)#ip nat inside source static 10.1.1.1 170.168.2.2
edgerouter(config)#ip nat inside source static 10.1.1.2 170.168.2.3
edgerouter(config)#ip nat inside source static 10.1.1.3 170.168.2.4
edgerouter(config)#exit
```

R2:-

```
Router>en
Router#conf t
Router(config)#hostname ISP
ISP(config)#int se 0/1/0
ISP(config-if)#ip address 170.168.2.2 255.255.255.0
ISP(config-if)#no shut
ISP(config-if)#exit
ISP(config)#int gig 0/0/0
ISP(config-if)#ip address 63.40.7.1 255.255.255.0
ISP(config-if)#no shut
ISP(config-if)#exit
ISP(config)#router rip
ISP(config-router)#network 170.168.2.0
ISP(config-router)#network 63.0.0.0
ISP(config-router)#exit
```

