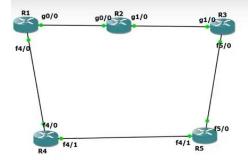
## Classic and Wide Metric



## #R1

```
R1(config)#
R1(config)#router eigrp ?
<1-65535> Autonomous System
WORD EIGRP Virtual-Instance Name

R1(config)#router eigrp NH
R1(config-router)#address-family ipv4 unicast autonomous-system 50
R1(config-router-af)#net 0.0.0.0 0.0.0.0
R1(config-router-af)#^Z
R1#
*Aug 28 20:11:53.571: %SYS-5-CONFIG_I: Configured from console by console
R1#
```

## \*\*\*Config same on the R2,R3,R4,R5

```
R1#sh ip eigrp top 10.5.5.5/32
EIGRP-IPv4 VR(NH) Topology Entry for AS(50)/ID(10.1.1.1) for 10.5.5.5/32
 State is Passive, Query origin flag is 1, 1 Successor(s), FD is 14499840, RI
is 113280
  Descriptor Blocks:
  172.16.12.2 (GigabitEthernet0/0), from 172.16.12.2, Send flag is 0x0 Composite metric is (14499840/13844480), route is Internal
        Vector metric:
          Minimum bandwidth is 100000 Kbit
          Total delay is 121250000 picoseconds
Reliability is 255/255
          Load is 1/255
Minimum MTU is 1500
           Hop count is 3
  Originating router is 10.5.5.5
172.16.14.4 (FastEthernet4/0), from 172.16.14.4, Send flag is 0x0
Composite metric is (19742720/13189120), route is Internal
        Vector metric:
          Minimum bandwidth is 100000 Kbit
Total delay is 201250000 picoseconds
           Reliability is 255/255
          Load is 1/255
Minimum MTU is 1500
           Hop count is 2
           Originating router is 10.5.5.5
```

## Higher bandwidth that's y it select R2 path

\*\* red is =wide metric

Blue is = actual FD value from neighbor