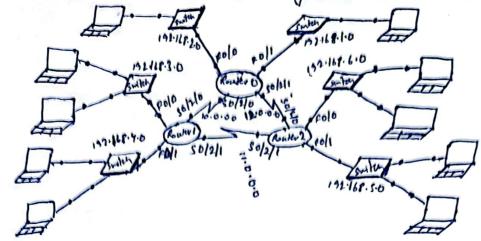
Configure RIP in a diamond configuration with 3 routers, and 6 LAN'S



+ Routas are connected in a creater way with several 15TB/wire and then swith, and some pes! Each router is connected with two

of each PCs were manually given and default gaterray > SP address SP address as routers

Routers at each part: 2) P admen

- Ir admen	m kouters are entry port	•
Router 0	IP Azdress	subnet Mark
Folo	192.168.2.1	255.255.255.0
40/1	192.168.1.1	255.255.255.0
50/2/0	10.0.0.1	255.0.0.0
50/2/1	12.0.0.2	255.0.0.0
Router 1		
F0/0	192.168.3.1	255.255.255.0
10/1	192.168.4.1	255.255.255.0
50/2/0	10.0.0.2	255-0.0.0
50/2/1	4.0.0.1	255.0.0.0
Routev 2	*	
Polo	192.168.6.1	255.255.255.0
po[1	192.168.5.1	255-255 255-6
50/2/0	12.0.0.1	255.0.0.0

50/2/1 AREP owning for Kouters 1

50/2/0

Network 10.0.0.0

11.0.0.2

255-0.0.0

Router O 12.0.0.0

192-168.1.0

192-168.2-0

```
Ronker (config. 11) # Int folo
Runter (config. if) # 1p add 200.1.1.1 255.255.255.0
Router Contry it)# no sh
Router Comfig-it) # route ospf 1
Router (config most router) H network 192.168.1.0 0.0.0.255 area 0
Rowler Comby-rowler) # network AMIN 200.1.1.0 0.0.0.255 wear D
Router (conty router) # 12
Rowler# Wr
  Building contiguration ...
Rowlar#ship probowls
  Rowling Protocol is "ospf 1"
      Outgoing update filter list .....
      Rowler $D 200.1.1.1
      Normber of areas on this router is 1. I normal O shub O assa
      Maximen path: 4
     Rowling for Networks:
          192.168.1.0 0.0.0.255 areaD
         200.1.1.0 0.0.0.255 area 0
     Rowing Bromation Sources:
                                    Last Updete
          hatavay
                         Distance
          200.1.1.1
                                     00:00:52
                             110
      Distance: (detacelt is 110)
Rowler # sh ip nowle
wdes: C- connected -- -
actually of let report in not set
 C 192.168.1.0/24 is directly connected, foll

0 192.168.2.0/24 [110/2] Ha 200.1.1.2,00:00:22, FO/0
 C 200.1.1.0/24 is directly connected [ 500
Router#sh ip ospf detabase
               OSPF Router with ID (200:1.1.1) (Process IDI)
                     Router Link States (Aread)
                                                                    Link Lount
Link ID
                                             Seg#
                   ADV Ronder
                                      Age
                                                        Checkshim
                                             0x80000003 0x000127 2
                                      69
200.1.1.1
                  200.1.1.1
                                             0x80000003 0x00$490
                                      69
200.1.1.2
                  200.1.1.2
```

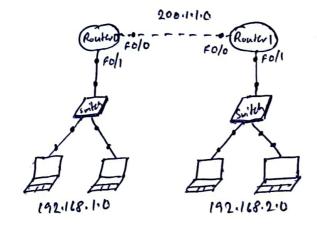
	Nehvorle
Ronder 1	10.0.0.0
	11.0.0.0
	192.168.3.0
	192-168-4.0

Rowler 2 12.0.0.0 192.168.5.0

Now packets can be transferred from any PC to another PC connected with different Routers.

At last we will get 25% loss. At last we will get DY. loss.

Configure OSPF with 2 Routers and 2 LAN'S



- a switch and it is connected with each other. Back router is connected with
- of the street of each per were manually goven and default
- ospf. In Router 0

Rowler > en

Router # contry to

Router (config ) # int foll
Router (config - it) # ip add 192.168.1.1 255.255.255.0

Router (wnty-if) # no sh

Net Link States Corono) Linh SD Adv Router sep# Cheekenn Age 0x80000001 0x00420a 200.1.1.1 69 , 200.1.1.1 \*Rouker# sh ip ospf neighbor Dead Time Address Intulace Pri State Neighbor ID PULL/BDR 00:00:31 200.1.1.2 PO/0 200.1.1.2 + Same commands was have to do be done on Nouter I in CLI mere. -> After that we can send packets from one pe to another pc connected with another router.