3) Aim: Contiguring défault sont et to sont es 255.0:0.0 & sould 210 as 280.0:0.2 & 255.0.0: gabgot 1 social 310 as 300.0.1 & 255.0.0.0. 200.0.10 Se210 Se210 Se210 Se210 Se210 So.0.0.10 30.0.02 40.0.0.10 40.0.0.10

Routero Fa010 Fouter Fa010 Fa010 Fa010 Fa010 Sex 0.0.0.0.10

Switch 0 Switch 0 Switch 1 Ni benefit of Switch 2 Swi advocks & mater as the fall of the fall of the sound of the fall o Fa0 18 1 500 des 1 500 01.0.0.048 Fall Fall of Fall of the Fall PC=RT RC-PT PC-PT PC-PT 0.0.0.0.20 to 90.0.0.1 H0.0.0.2

10.0.0.1 10.0.0.2 50.0.0.1 50.0.0.20 to 940.0.0.1 H0.0.0.2 Procedure: 1) First, Put 6 PC's, 3 switches & 3 routers I connect two pais to each switch with copper Stooright through wire and each switch is connected to one router with corper straight through wire, I three routers are connected by serial cables and nodes are placed for all devices & networks. 2) A PC is dicked to set attributes to PC & each 3 attributes which are 1P addresses subnet PC has 3 attributes which are set according to mask & gateway & all three are set according to mask & gateway & all three are set all PCS.

nodes placed. This process is done for all PCS.

For souter-9, configurations are done in CLI. If address these 3) For souter-0, configurations are done in CLI. It address & subnet mark are set to both interfaces - fast ethes vet 0/0 as 10.0.0.10 & 255.0.0.0 & serial 2/0 as 40.0.0.1 and 255.000. Pouter-01 is default nouter to router-0 & this is done by command ip soute 0.0.0.0 0.0.0.0 Ping \$ 50.0.0.1 a cold with 32 botter of data 20.0.0.2.

4) For sonter-1, IP address & Subnet mask are all three interbaces - fast ethernet 0/0 as 20.0.0.3 & 255.0:0.0 & serial 2/0 as 200.0:0.2 & 255.0.0.0 f serial 3/0 as 30.0.0.1 & 255.0.0.0. 5) Router-11 does not have any default souter & static souting is done to network 10 640 by following commands. ip souter 10.0.0.0 255.0.0.0 20.0.0.1 ip soute 40.0.0.0 255.0.0.0 30.0.0.2 6) Routed-2 is configured in both interfaces with 1P address & subnet mask as fastethernet 0/0 with \$40.0.0.10 & 255.0.0.0 & serial 2/0 with 30.0.0.2 & 255.0.0.0. Default souter for soutes-2 is soutes-1 & set by command ip route 0.0.0.0 0.0.0.0 50.0.0.1 ping command is executed from 10.0.0.1 to 520.00.1 & from 10.0.0.1 to 40.0.0.2 Poeceduse: ) First, Put 6 PC's Observations: Nico Notice Nos de Learning Outcomes:

- One souter Can't have 2 default nouters

- Default poutes 68 first souter is middle noutes

- Default poutes 68 first souter is middle noutes as any packets which have to be delivered will go to middle houtes.

- Default noutes to right souter is middle houtes to the same reason have any detault routes.

Middle houter doesn't have any detault routes. Middle houter doesn't have any default routed as if one of the sources is made default are their there is a chance that packets which are to be sent to switch may send to source.

Capilt: & this is done by command if south 0.0.0.0 oil Result: Ping 2 50.0.0.1 Pinging = 50.0.0.1 with 32 bytes of data

Reply from 50.0.0.1: bytes = 32, time = 1 ms, TTL = 126Fing 40.0.0.2Pinging 40.0.0.2 with 32 bytes of data

Request timed out

Reply from 40.0.0.2: bytes = 32, time = 4 ms, TTL = 125Reply from 40.0.0.2: bytes = 32, time = 4 ms, TTL = 125