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In Router R2, R2[Bonfig] #1 router ospf 1
R2[Config - Router) # router - id 2.2.2.2 R2 (config - 20 ater) # methoris 20.0.0.0 0.255.255.255 area) R2/ Coylig- routes) Hnetwork 30.0.0.0 0.257.255.255 area 0 R2 (config - router) # exit colle cin some In Router R3, RS(coofig) - Houses Ospf 1
RS(coofig - Mouter) - Haouter - id 3.3.3.3 R3(config- acuter) # metwork 90.0.0.0 0.255.255.255 grea 0 R3(config- nouter) # network 40.0.0.0. 0.255.255.255 alea 2 of det the interface loopback R1 (config-if) # interface loopback 0 RI (coofig - if) # ip add 172.16.1.252.255.255.0.6 RI (config-1) # no soutdown. P2 (config-if) # interface loophack o 122 (config-if) #10 add 172.16.1.253.255.255.0.0 Ra (config- if) = no shutdown. 100.0.0.00 mt (V) R3 (config-4) # interface loop back o R3 (tonfig-y) # ip add 172,16. 1.254. 255.255.0.0 R3 (config - if) # no soutdown. Rs (config) # nowter aspf 1
Rs (config - nowter) # areas virtual link 2.2.2.2

In Router R2, Rx ((config) # nonter ospf1 Ra (config - nouter) # areas virtual link 1.1.1.1
Ra (config - nouter) # exit est again sada Ittacharile sonces of sanson After this whow IP route, it show all 4. Router 1: Now ip noute page satural plans 0 IA 10:0.0.0/8 [00/65] via 20.0.0.1 00:00:11, avial 2/0 20.0.0.0/8 is variably subnetted, a subnets, small c 20.0.00/8 is directly connected, serial 2/0 e 20.0.0.1/32 is directly connected / serial 2/0 30.0.0.0/8 is variably subnetted, subnets a mask e 30.0.0.0/8 is directly connected, serial 3/0 c 30.0.0.2/32 in directly connected, social 3/0 0 IA 60.00.0/8 [iso/65] via 30.0.0.2, 00.60:44 periol 3/6 C 172.16.0.0/16 is disely connected, loopbacko o (conta-il) # intorface doctoback o RESULT : 19. 625. | dich bho attility plant PC> ping 40.0.0.10

pinging 40.0.0.10 with 32 bytes of data:

Request fixed out Repey from 40.0.0.10 bytes=32 time=10ms TYL=125 Reply from 40.0.0.10 bytes = 32 time = 2ms TTL=125 Early from 60.0,0.10 Bester = 32 time = 9ms TTC=125 ping statistics for 40.0.0.10:
Packets: sent=4, Reviewed=3, lost=1 (w5) loss Approximate gowd trip times in milli-seconds:
.minimum = 2ms, maximum = 10ms, average = 7ms

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and a series without the best touching
TO THE MOTHER WAY
nouters. It was its own shortcut path
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Networks are divided into areas. Backhouse
carea of sorms core of the OSPF network, other network are connected to the packbon.
other network are conhected to the
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