**CLI Command for OSPF (Open Shortest Path First)**

**Router 0**

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: NO

Press RETURN to get started!

Router>en

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.10.1 255.255.255.192

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int se3/0

Router(config-if)#ip add 200.200.200.9 255.255.255.252

Router(config-if)#clock rate 64000

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Router(config-if)#ex

Router(config)#int se2/0

Router(config-if)#ip add 200.200.200.9 255.255.255.252

% 200.200.200.8 overlaps with Serial3/0

Router(config-if)#ip add 200.200.200.1 255.255.255.252

Router(config-if)#clock rate 64000

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down

Router(config-if)#ex

Router(config)#ip dhcp pool n1

Router(dhcp-config)#net 192.168.10.0 255.255.255.192

Router(dhcp-config)#def

Router(dhcp-config)#default-router 192.168.10.1

Router(dhcp-config)#ex

Router(config)#router ospf 1

Router(config-router)#network 192.168.10.0 0.0.0.63 area 0

Router(config-router)#network 200.200.200.0 0.0.0.3 area 0

Router(config-router)#network 200.200.200.8 0.0.0.3 area 0

Router(config-router)#ex

**Router1**

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>en

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.10.65 255.255.255.192

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int se2/0

Router(config-if)#ip add 200.200.200.10 255.255.255.252

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#ex

Router(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

int

% Incomplete command.

Router(config)#

Router(config)#int se3/0

Router(config-if)#ip add 200.200.200.5 255.255.255.252

Router(config-if)#no shut

%LINK-5-CHANGED: Interface Serial3/0, changed state to down

Router(config-if)#ex

Router(config)#ip dhcp pool n2

Router(dhcp-config)#net 192.168.10.64 255.255.255.192

Router(dhcp-config)#def

Router(dhcp-config)#default-router 192.168.10.65

Router(dhcp-config)#ex

Router(config)#

Router(config)#router ospf 1

Router(config-router)#network 192.168.10.64 0.0.0.63 area 0

Router(config-router)#network 200.200.200.4 0.0.0.3 area 0

Router(config-router)#network 200.200.200.8 0.0.0.3 area 0

Router(config-router)#ex

**Router 2**

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>en

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.10.129 255.255.255.252

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int se3/0

Router(config-if)#ip add 200.200.200.2 255.255.255.252

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

Router(config-if)#ex

Router(config)#int se

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

2

^

% Invalid input detected at '^' marker.

Router(config)#int se2/0

Router(config-if)#ip add 200.200.200.6 255.255.255.252

Router(config-if)#clock rate 64000

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#ex

Router(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config)#ip dhcp pool n3

Router(dhcp-config)#net 192.168.10.128 255.255.255.252

Router(dhcp-config)#de

Router(dhcp-config)#default-router 192.168.10.129

Router(dhcp-config)#ex

Router(config)#

Router(config)#int fa0/0

Router(config-if)#ip add 192.168.10.129 255.255.255.192

Router(config-if)#no shut

Router(config-if)#ex

Router(config)#

Router(config)#router ospf 1

Router(config-router)#network 192.168.10.128 0.0.0.63 area 0

Router(config-router)#network 200.200.200.0 0.0.0.3 area 0

Router(config-router)#

00:53:30: %OSPF-5-ADJCHG: Process 1, Nbr 200.200.200.9 on Serial3/0 from LOADING to FULL, Loading Done

Router(config-router)#network 200.200.200.4 0.0.0.3 area 0

Router(config-router)#ex