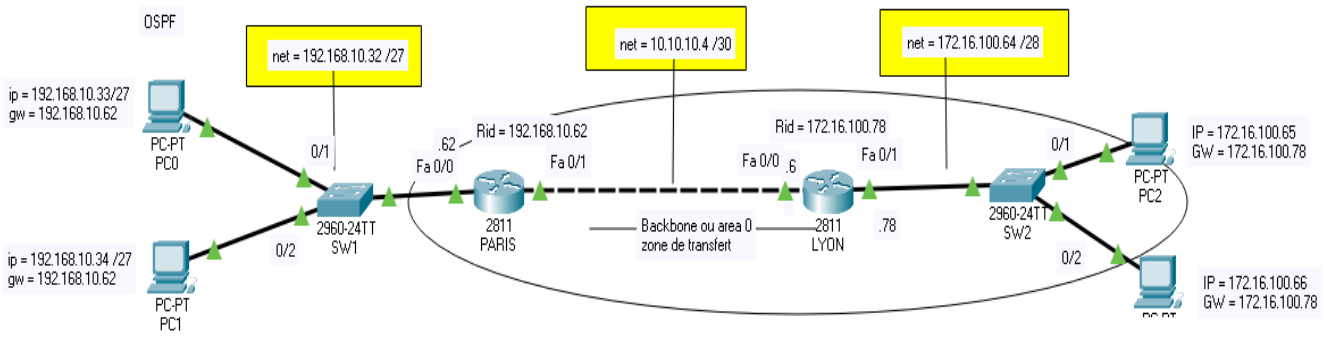

Correction 1er exercice ospf

```
hostname PARIS
!
ip cef
no ipv6 cef
!
!
spanning-tree mode pvst
!
interface FastEthernet0/0
description LAN de PARIS
ip address 192.168.10.62 255.255.255.224
duplex auto
speed auto
!
interface FastEthernet0/1
description liaison entre paris lyon
ip address 10.10.10.5 255.255.255.252
duplex auto
speed auto
!
interface Vlan1
no ip address
shutdown
!
router ospf 100
log-adjacency-changes
passive-interface FastEthernet0/0
network 10.10.10.4 0.0.0.3 area 0
network 192.168.10.32 0.0.0.31 area 0
!
ip classless
!
ip flow-export version 9
!
PARIS#
```

PARIS#show ip protocols

Routing Protocol is "**ospf 100**"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
    Router ID 192.168.10.62
Number of areas in this router is 1. 1 normal 0 stub 0 nssa
Maximum path: 4
Routing for Networks:
    10.10.10.4 0.0.0.3 area 0
    192.168.10.32 0.0.0.31 area 0
Passive Interface(s):
    FastEthernet0/0
Routing Information Sources:
Gateway Distance Last Update
    172.16.100.78 110 00:03:51
    192.168.10.62 110 00:03:51
Distance: (default is 110)

PARIS# show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route

Gateway of last resort is not set

10.0.0.0/30 is subnetted, 1 subnets
C 10.10.10.4 is directly connected, FastEthernet0/1
172.16.0.0/28 is subnetted, 1 subnets
O 172.16.100.64 [110/2] via 10.10.10.6, 00:03:53, FastEthernet0/1
192.168.10.0/27 is subnetted, 1 subnets
C 192.168.10.32 is directly connected, FastEthernet0/0

PARIS#

```
hostname LYON
ip cef
no ipv6 cef
!
spanning-tree mode pvst
!
interface FastEthernet0/0
description liaison entre paris lyon
ip address 10.10.10.6 255.255.255.252
duplex auto
speed auto
!
interface FastEthernet0/1
description LAN de LYON
ip address 172.16.100.78 255.255.255.240
duplex auto
speed auto
!
interface Vlan1
no ip address
shutdown
!
router ospf 200
log-adjacency-changes
passive-interface FastEthernet0/1
network 10.10.10.4 0.0.0.3 area 0
network 172.16.100.64 0.0.0.15 area 0
!
ip classless
!
ip flow-export version 9
LYON#

LYON# show ip protocols
Routing Protocol is "ospf 200"
Outgoing update filter list for all interfaces is not set
Incoming update filter list for all interfaces is not set
Router ID 172.16.100.78
Number of areas in this router is 1. 1 normal 0 stub 0 nssa
Maximum path: 4
Routing for Networks:
10.10.10.4 0.0.0.3 area 0
172.16.100.64 0.0.0.15 area 0
Passive Interface(s):
FastEthernet0/1
Routing Information Sources:
Gateway Distance Last Update
172.16.100.78 110 00:08:34
192.168.10.62 110 00:08:34
Distance: (default is 110)

LYON#
```