**Parte 1**

**R1**

conf t

ipv6 unicast-routing

int f0/0

no shut

ipv6 enable

ipv6 address 2001:A:1:1::1/64

ipv6 address 2001:A:1:2::1/64

int f0/1

no shut

no ipv6 enable

ipv6 address 2001:B:1:1::1/64

ip address 136.192.1.1 255.255.255.0

exit

ipv6 route 2001:C:1:1::/64 2001:B:1:1::2

ipv6 route 2001:D:1:1::/64 2001:B:1:1::2

end

write

**R2**

conf t

ipv6 unicast-routing

int f0/0

no shut

no ipv6 enable

ipv6 address 2001:B:1:1::2/64

ip address 136.192.1.2 255.255.255.0

int f0/1

no shut

ipv6 enable

ipv6 address 2001:C:1:1::2/64

exit

ipv6 route 2001:A:1:1::/64 2001:B:1:1::1

ipv6 route 2001:A:1:2::/64 2001:B:1:1::1

ipv6 route 2001:D:1:1::/64 2001:C:1:1::3

end

write

**R3**

conf t

ipv6 unicast-routing

int f0/0

no shut

ipv6 enable

ipv6 address 2001:C:1:1::3/64

int f0/1

no shut

ipv6 enable

ipv6 address 2001:D:1:1::3/64

exit

ipv6 route 2001:A:1:1::/64 2001:C:1:1::2

ipv6 route 2001:A:1:2::/64 2001:C:1:1::2

ipv6 route 2001:B:1:1::/64 2001:C:1:1::2

end

write

**2ª parte**

R1

conf t

interface Tunnel 1

ipv6 address 2001:B:100:1::1/64

tunnel source f0/1

tunnel destination 136.192.1.2

tunnel mode ipv6ip

end

write

R2

conf t

interface Tunnel 1

ipv6 address 2001:B:100:1::2/64

tunnel source f0/0

tunnel destination 136.192.1.1

tunnel mode ipv6ip

end

write

**Pergunta 5**

R1

conf t

interface Tunnel 1

ipv6 address 2001:B:100:1::1/64

tunnel source f0/1

tunnel destination 136.192.1.2

tunnel mode ipv6ip

exit

no ipv6 route 2001:C:1:1::/64 2001:B:1:1::2

no ipv6 route 2001:D:1:1::/64 2001:B:1:1::2

ipv6 route 2001:C:1:1::/64 2001:B:100:1::2

ipv6 route 2001:D:1:1::/64 2001:B:100:1::2

end

write

R2

conf t

interface Tunnel 1

ipv6 address 2001:B:100:1::2/64

tunnel source f0/0

tunnel destination 136.192.1.1

tunnel mode ipv6ip

exit

no ipv6 route 2001:A:1:1::/64 2001:B:1:1::1

no ipv6 route 2001:A:1:2::/64 2001:B:1:1::1

ipv6 route 2001:A:1:1::/64 2001:B:100:1::1

ipv6 route 2001:A:1:2::/64 2001:B:100:1::1

end

write

R3

conf t

ipv6 route 2001:B:100:1::/64 2001:C:1:1::2

end

write

Pergunta 8

R1

conf t

interface Tunnel 1

no ipv6 address 2001:B:100:1::1/64

ipv6 address 2002:88c0:0101::1/48

no tunnel destination 136.192.1.2

tunnel mode ipv6ip 6to4

exit

ipv6 route 2002::/16 Tunnel 1

ip route 0.0.0.0 0.0.0.0 136.192.1.2

no ipv6 route 2001:C:1:1::/64 2001:B:100:1::2

no ipv6 route 2001:D:1:1::/64 2001:B:100:1::2

ipv6 route 2001:C:1:1::/64 2002:88c0:0102::2

ipv6 route 2001:D:1:1::/64 2002:88c0:0102::2

end

write

R2

conf t

interface Tunnel 1

no ipv6 address 2001:B:100:1::2/64

ipv6 address 2002:88c0:0102::1/48

no tunnel destination 136.192.1.1

tunnel mode ipv6ip 6to4

exit

ipv6 route 2002::/16 Tunnel 1

ip route 0.0.0.0 0.0.0.0 136.192.1.1

no ipv6 route 2001:A:1:1::/64 2001:B:100:1::1

no ipv6 route 2001:A:1:2::/64 2001:B:100:1::1

ipv6 route 2001:A:1:1::/64 2002:88c0:0101::1

ipv6 route 2001:A:1:2::/64 2002:88c0:0101::1

end

write

R3

conf t

no ipv6 route 2001:B:100:1::/64 2001:C:1:1::2

ipv6 route 2002::/16 2001:C:1:1::2

end

write