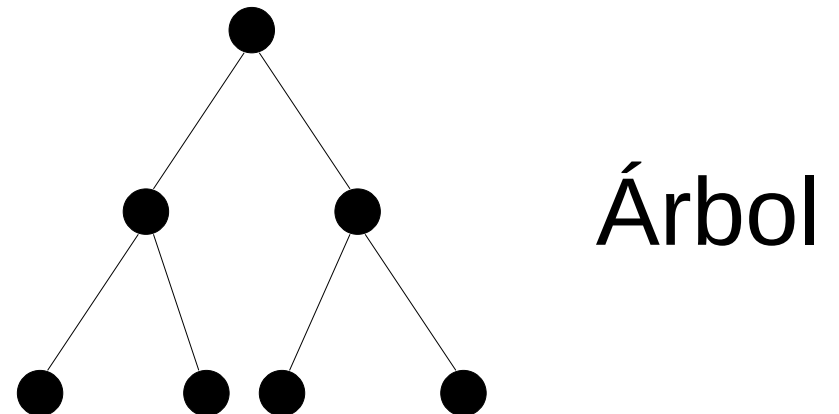
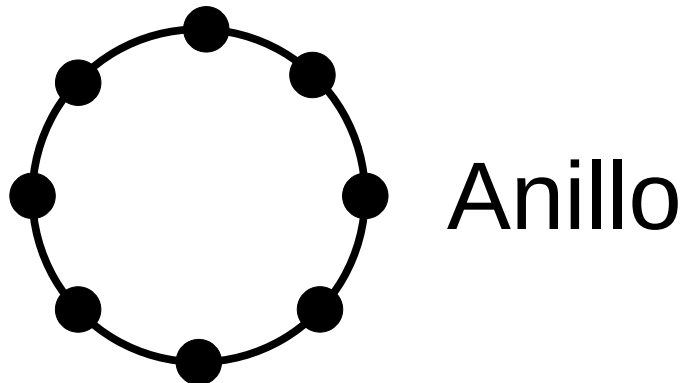
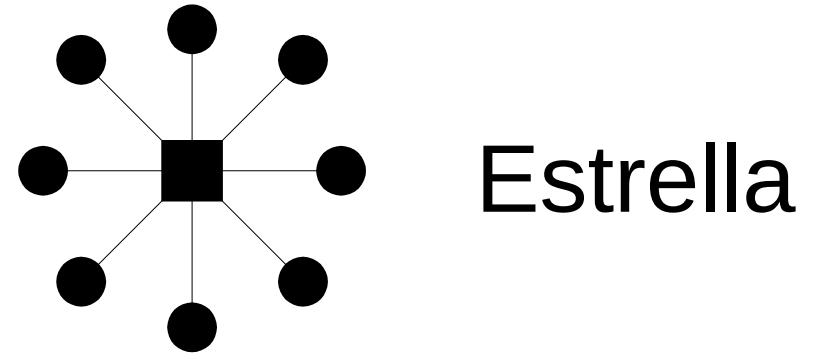
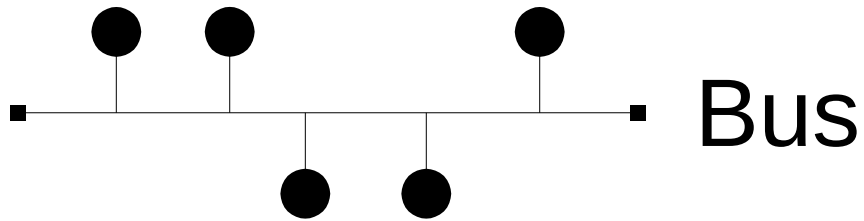


Redes locales

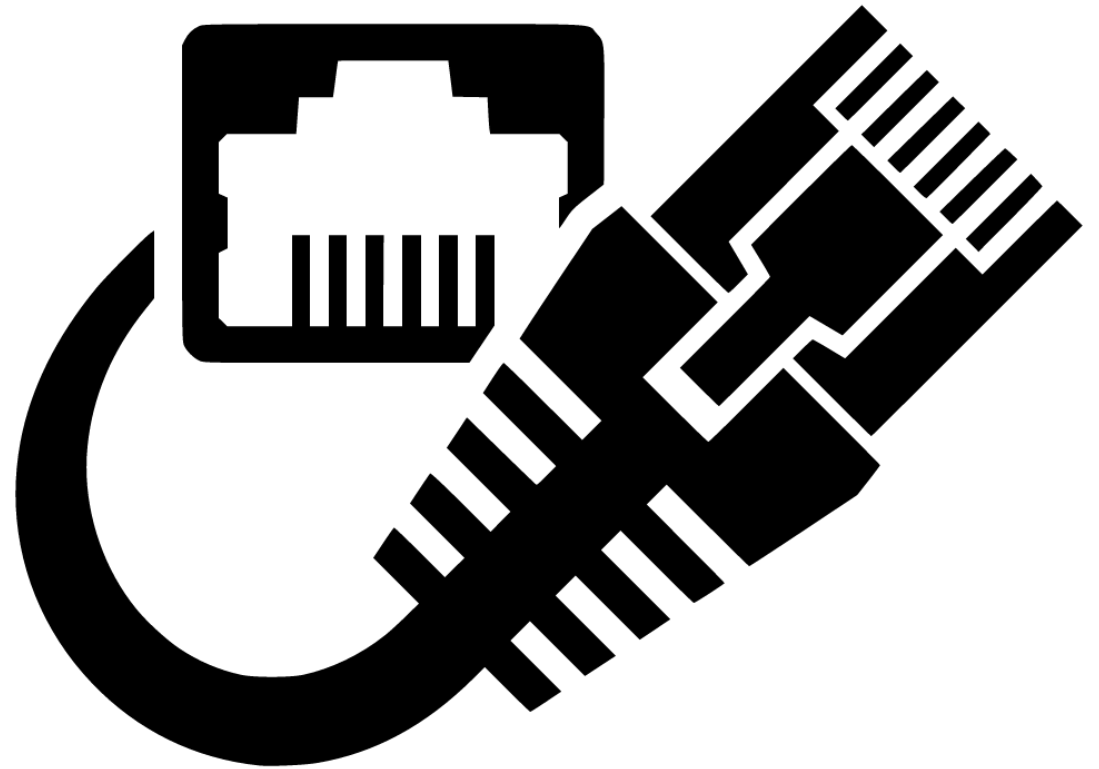
Local Area Networks
(LAN)

Topología

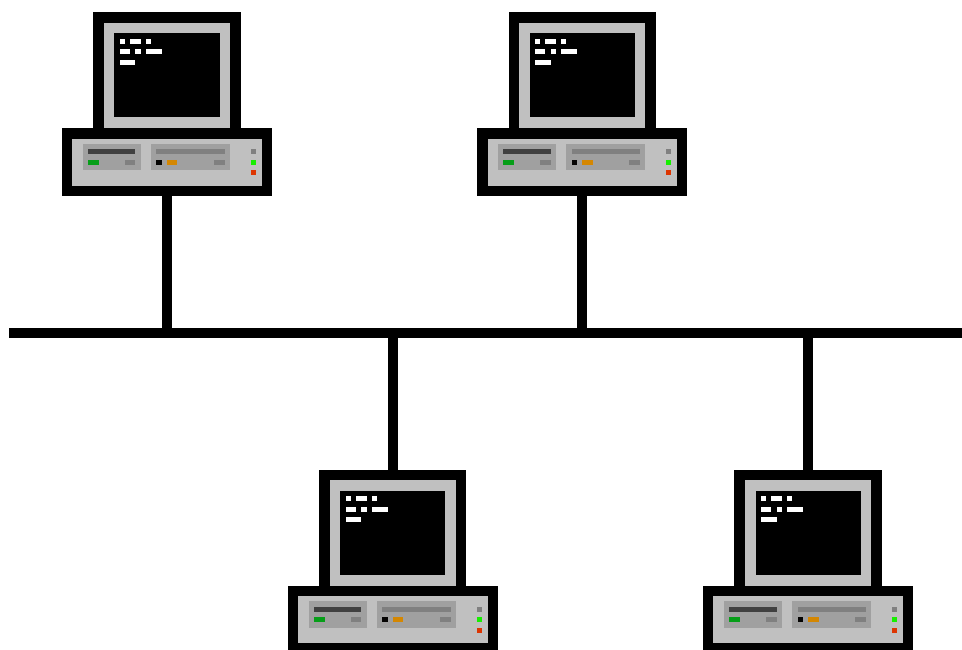


Dirección física
=
Dirección MAC

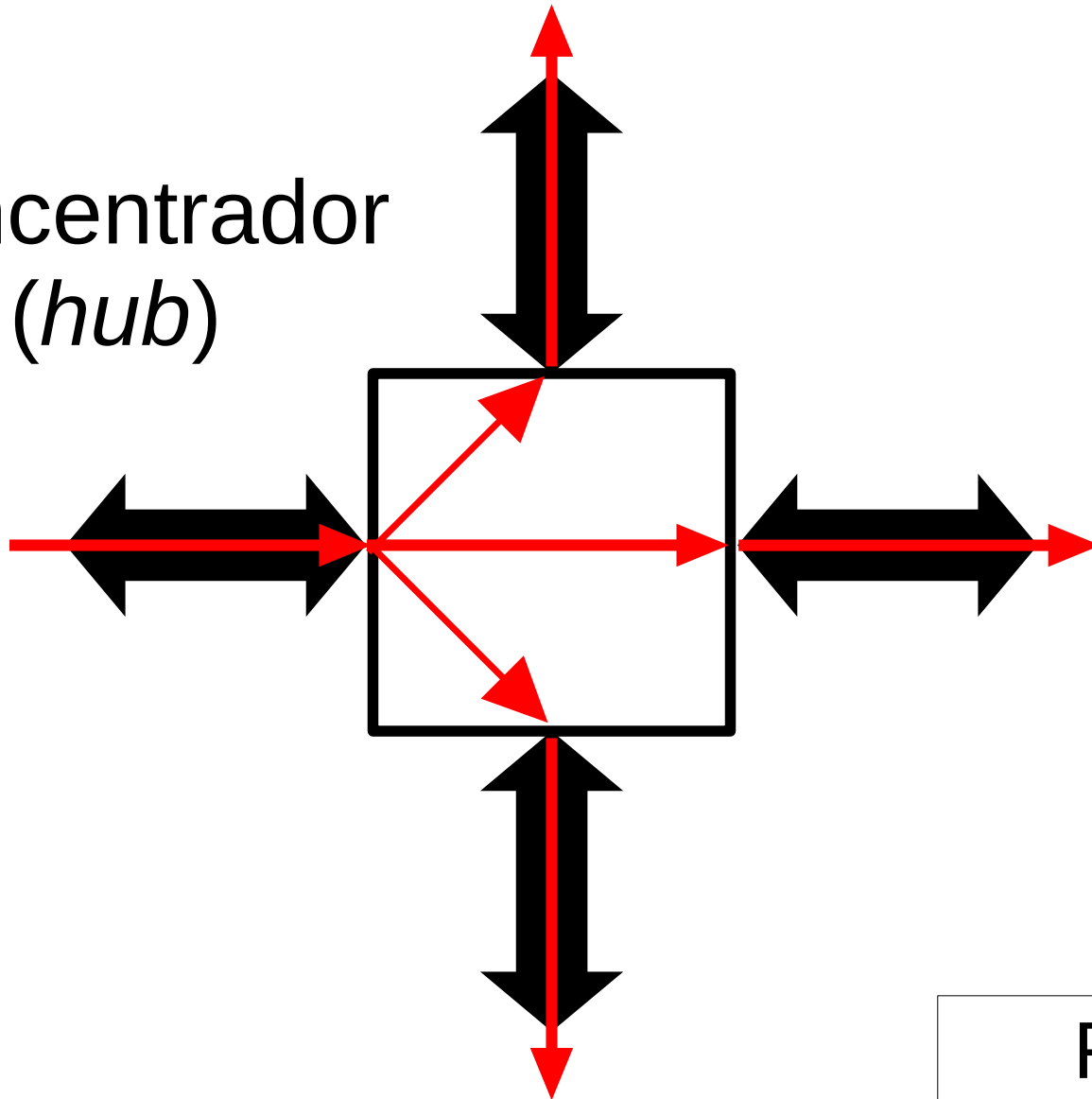
Ethernet



CSMA/CD

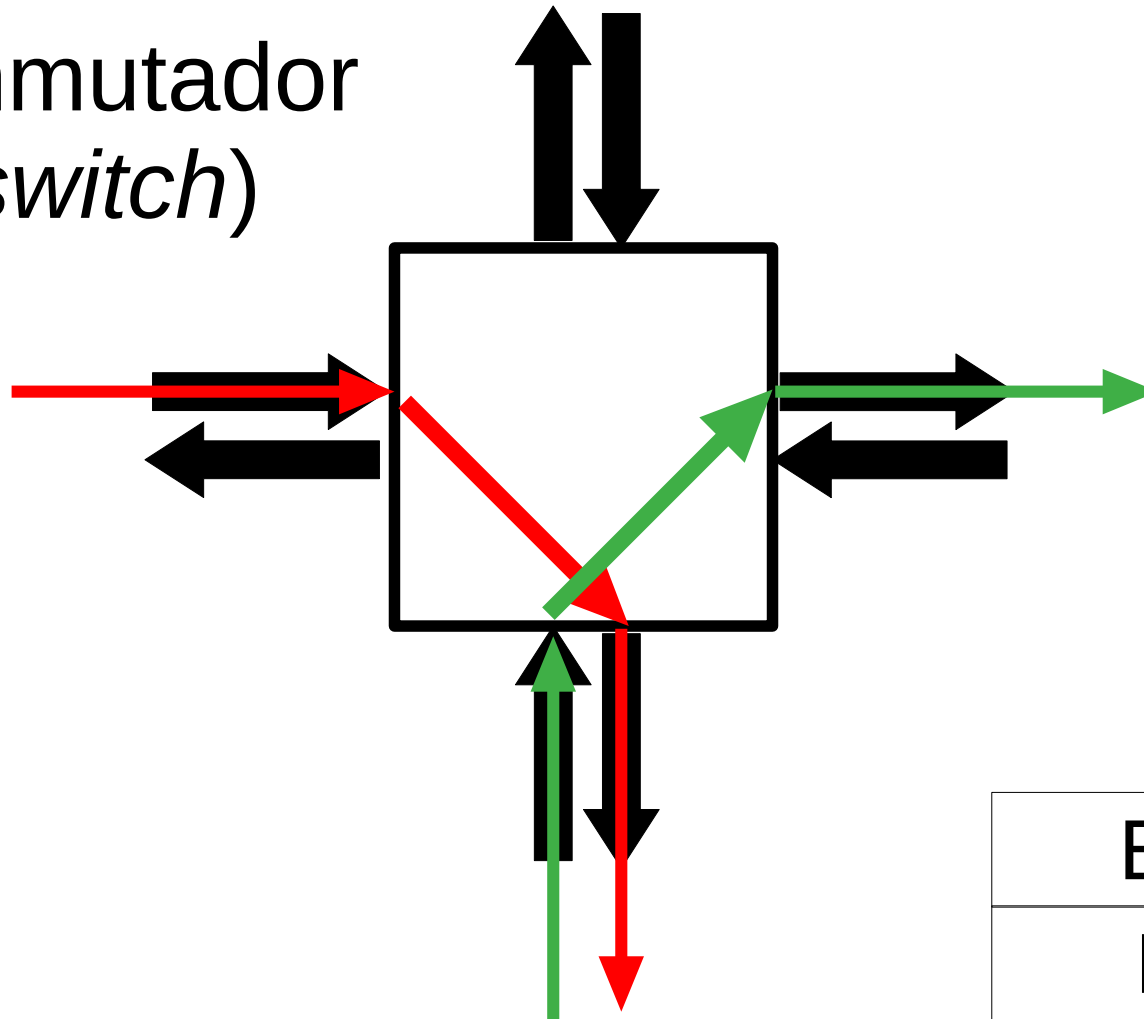


Concentrador
(*hub*)



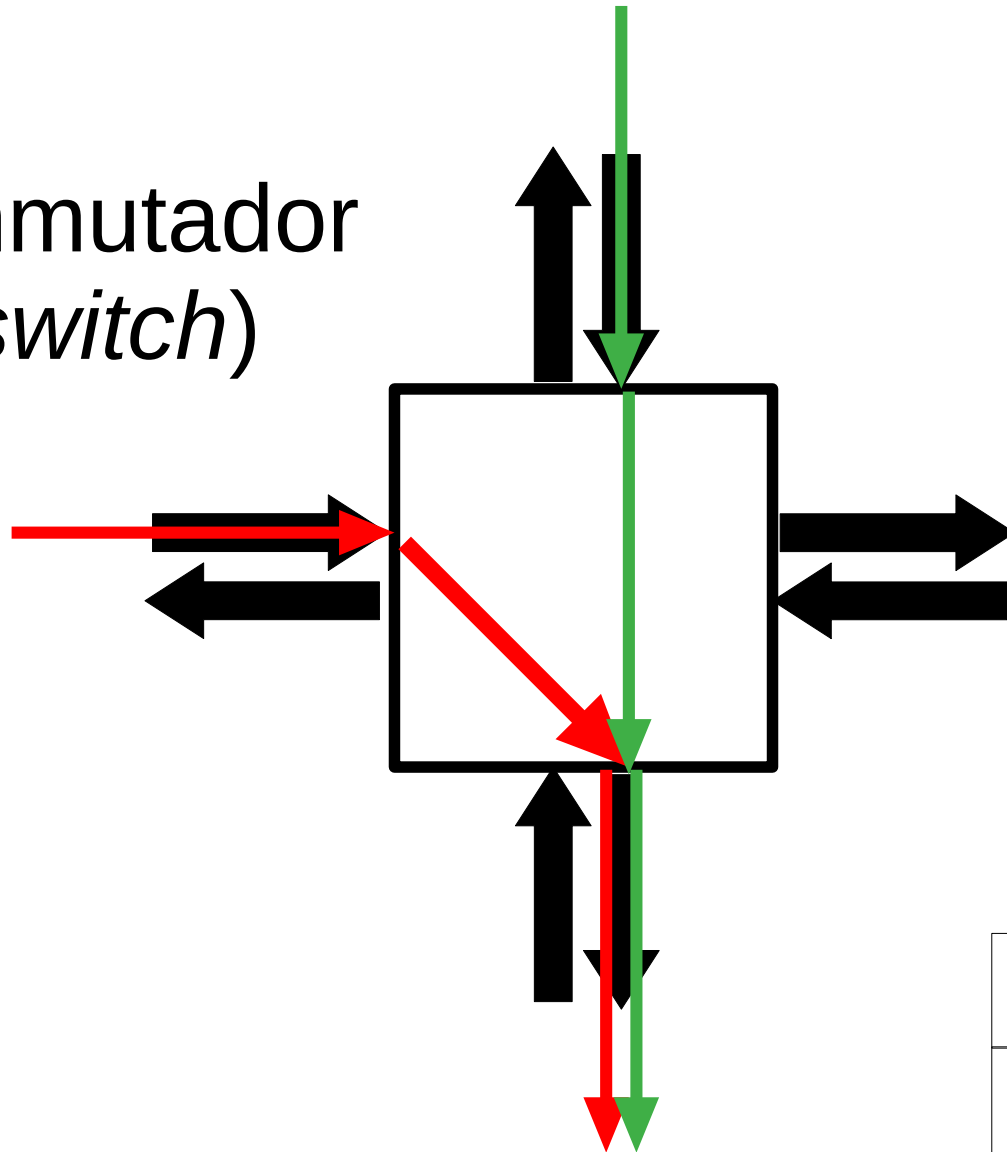
Físico

Conmutador
(*switch*)



Enlace
Físico

Conmutador
(*switch*)



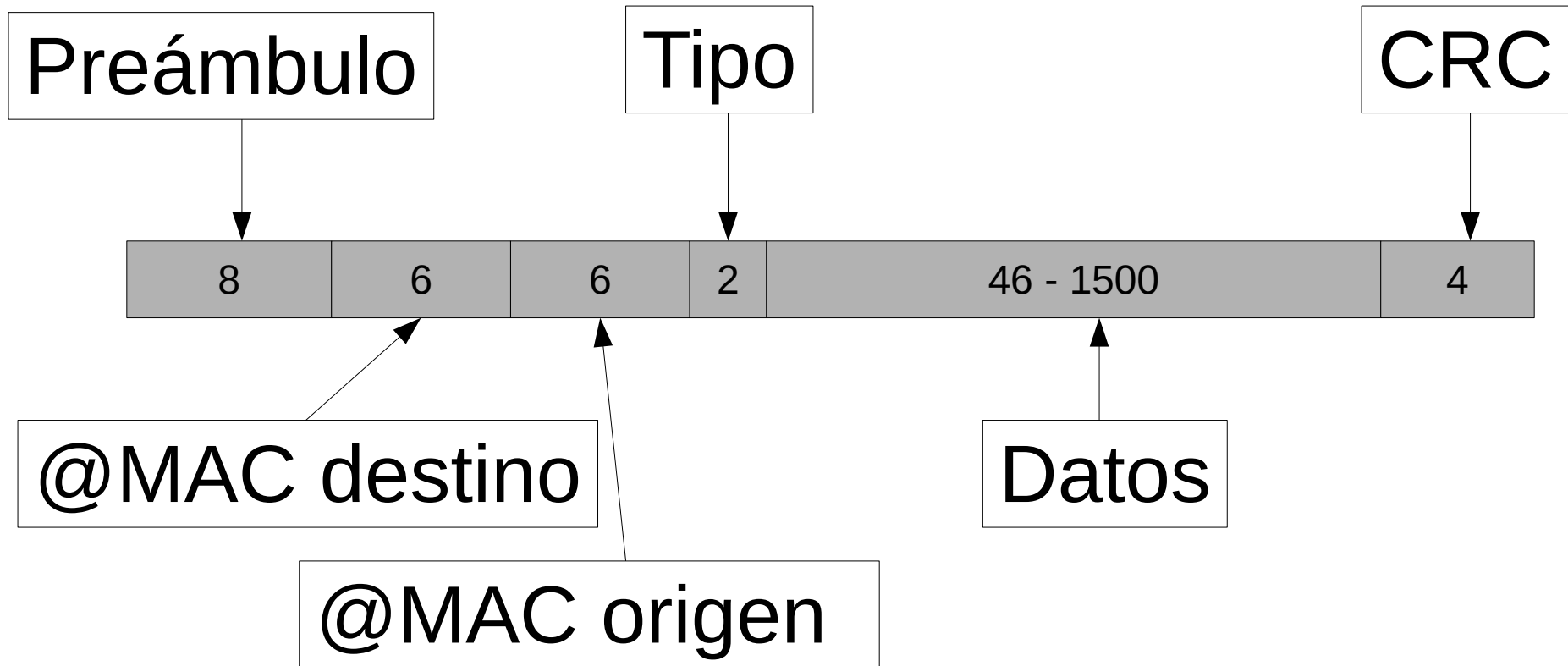
Enlace
Físico

Dirección MAC

37 : 4A : 10 : BF : 73 : D5

FF : FF : FF : FF : FF : FF

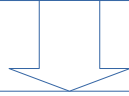
Trama Ethernet



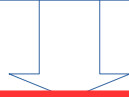
Aplicación



Transporte



Interred



Ethernet

IEEE802.3

- 10BASE-T
- 100BASE-2
- 1000BASE-LX
- 10GBASE-T
- ...

Cableado

□BASE-□

Velocidad de transmisión:

- 10: Ethernet
- 100: Fast Ethernet
- 1000: Gigabit Ethernet
- 10G: 10 Gigabit Ethernet

Conmutadores



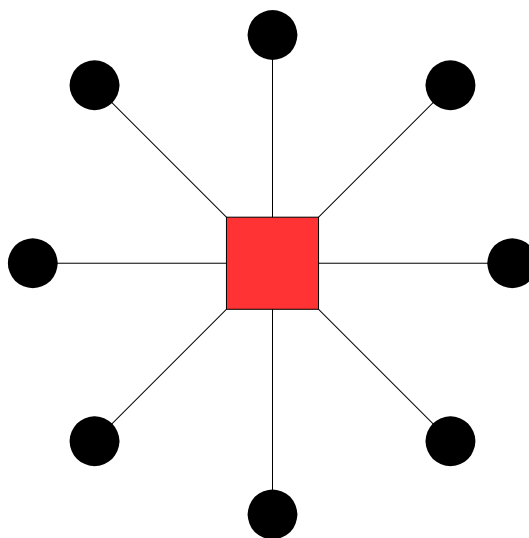
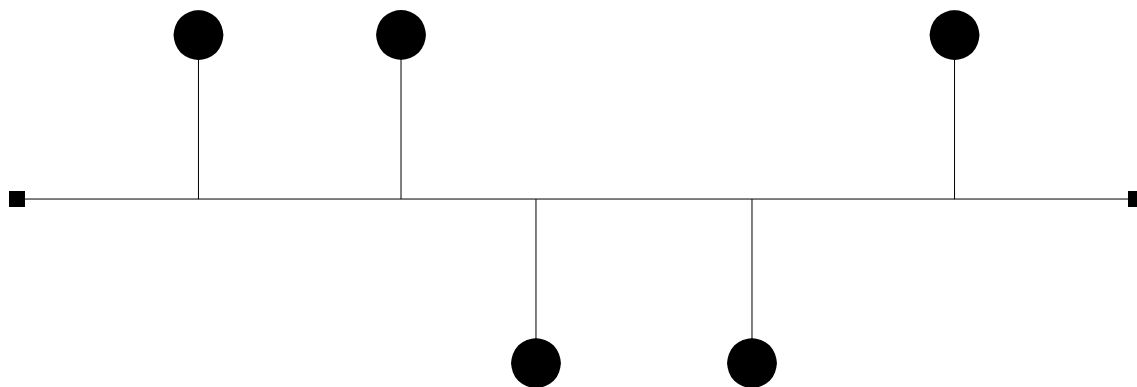


Tabla de conmutación

@ física	Puerto
A3:45:17:BB:A0:5C	1
B7:15:23:A6:BB:14	7
CC:05:61:66:7C:C3	6
B1:31:47:88:91:CF	1
33:10:11:FB:30:11	1
50:05:11:AB:F5:17	5

Autoaprendizaje

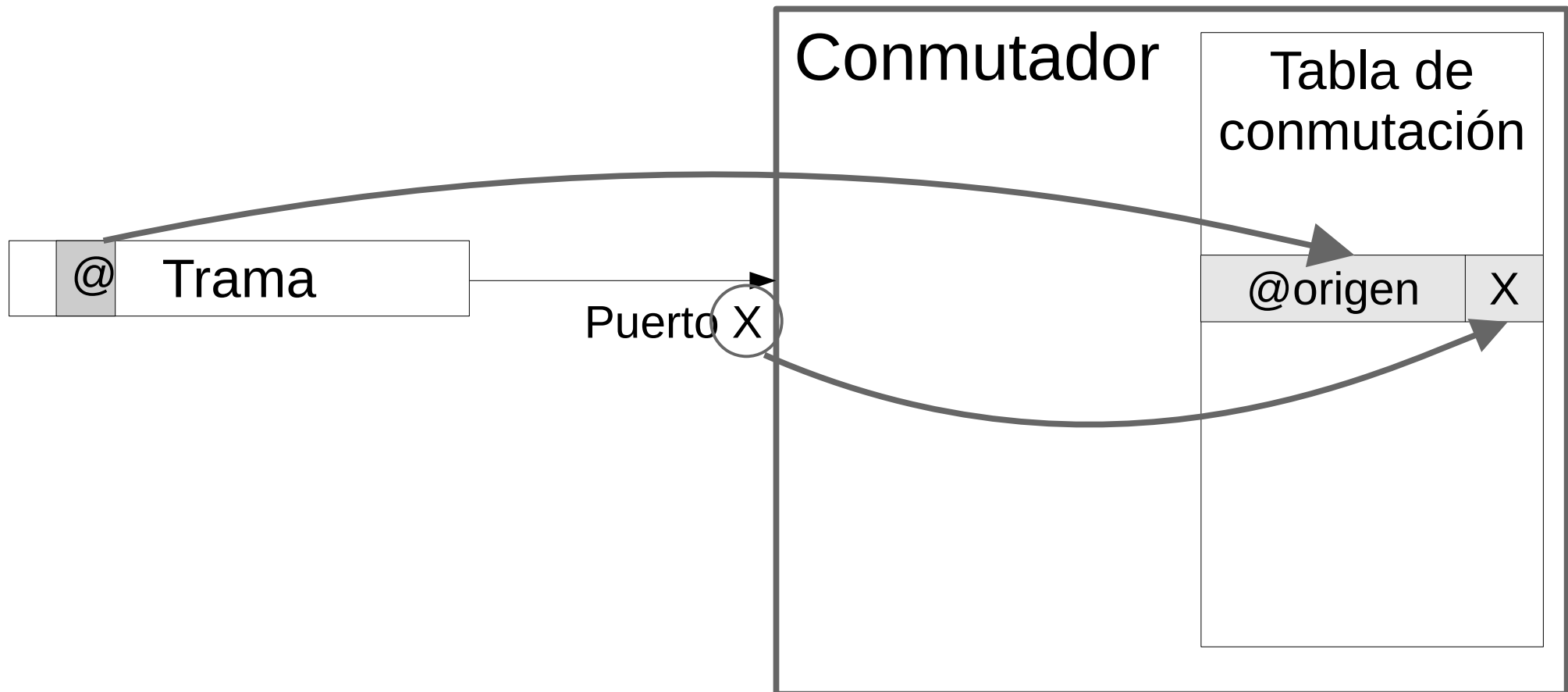
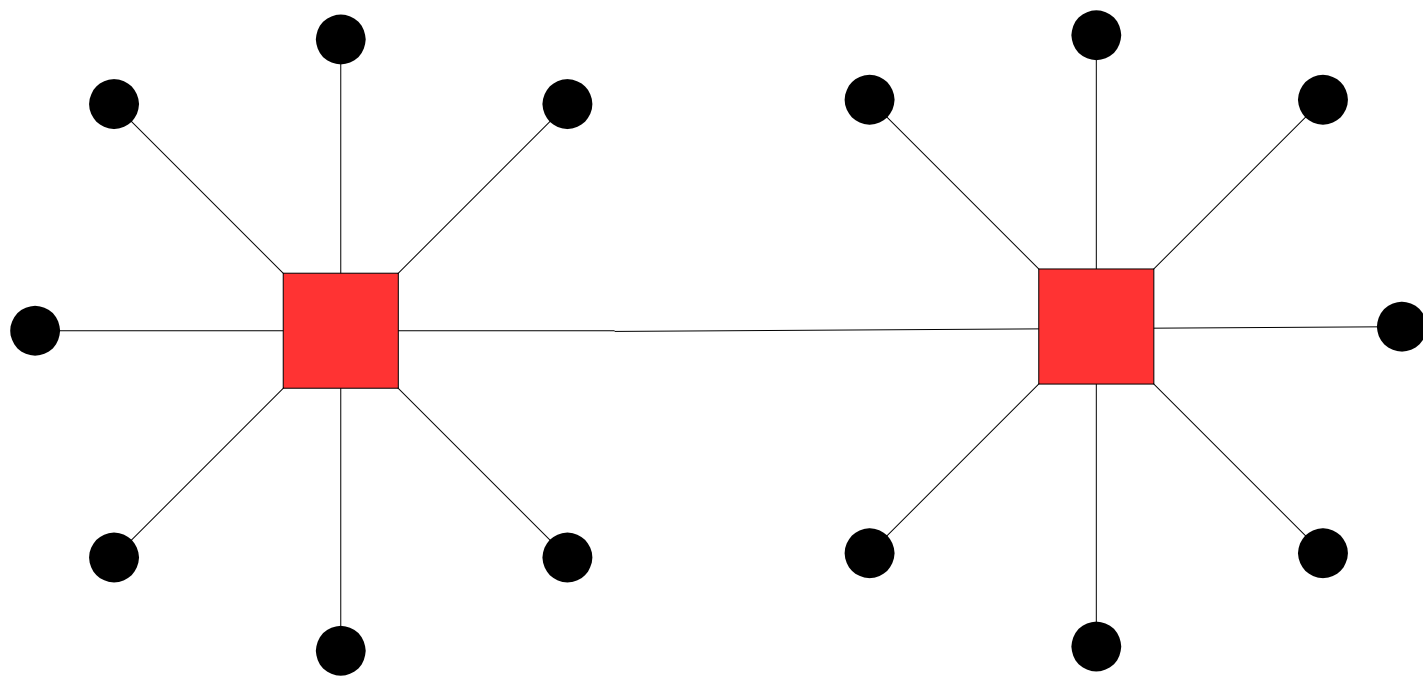
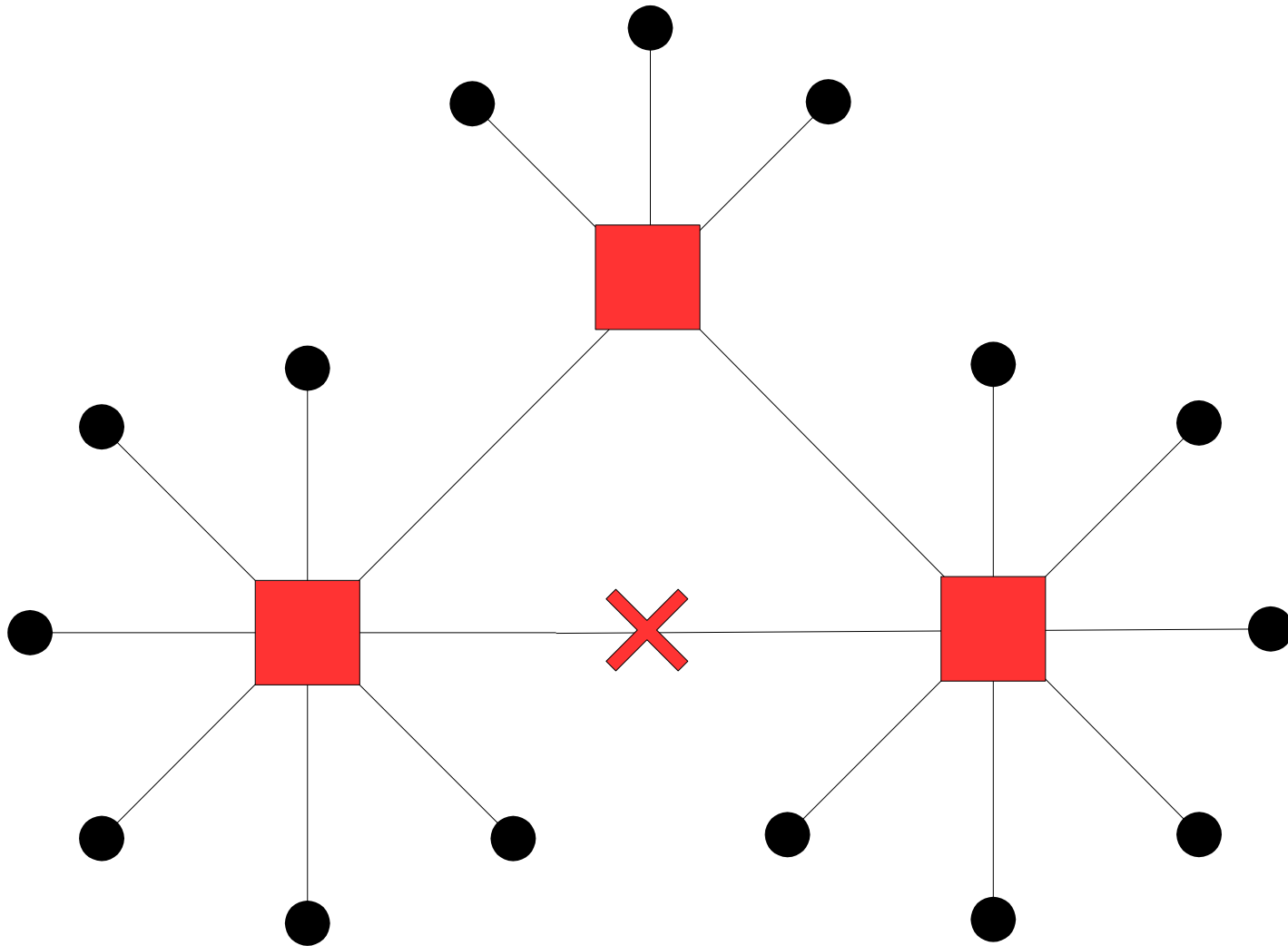


Tabla de conmutación

@ física	Puerto
A3:45:17:BB:A0:5C	1
B7:15:23:A6:BB:14	7
CC:05:61:66:7C:C3	6
B1:31:47:88:91:CF	1
33:10:11:FB:30:11	1
50:05:11:AB:F5:17	5

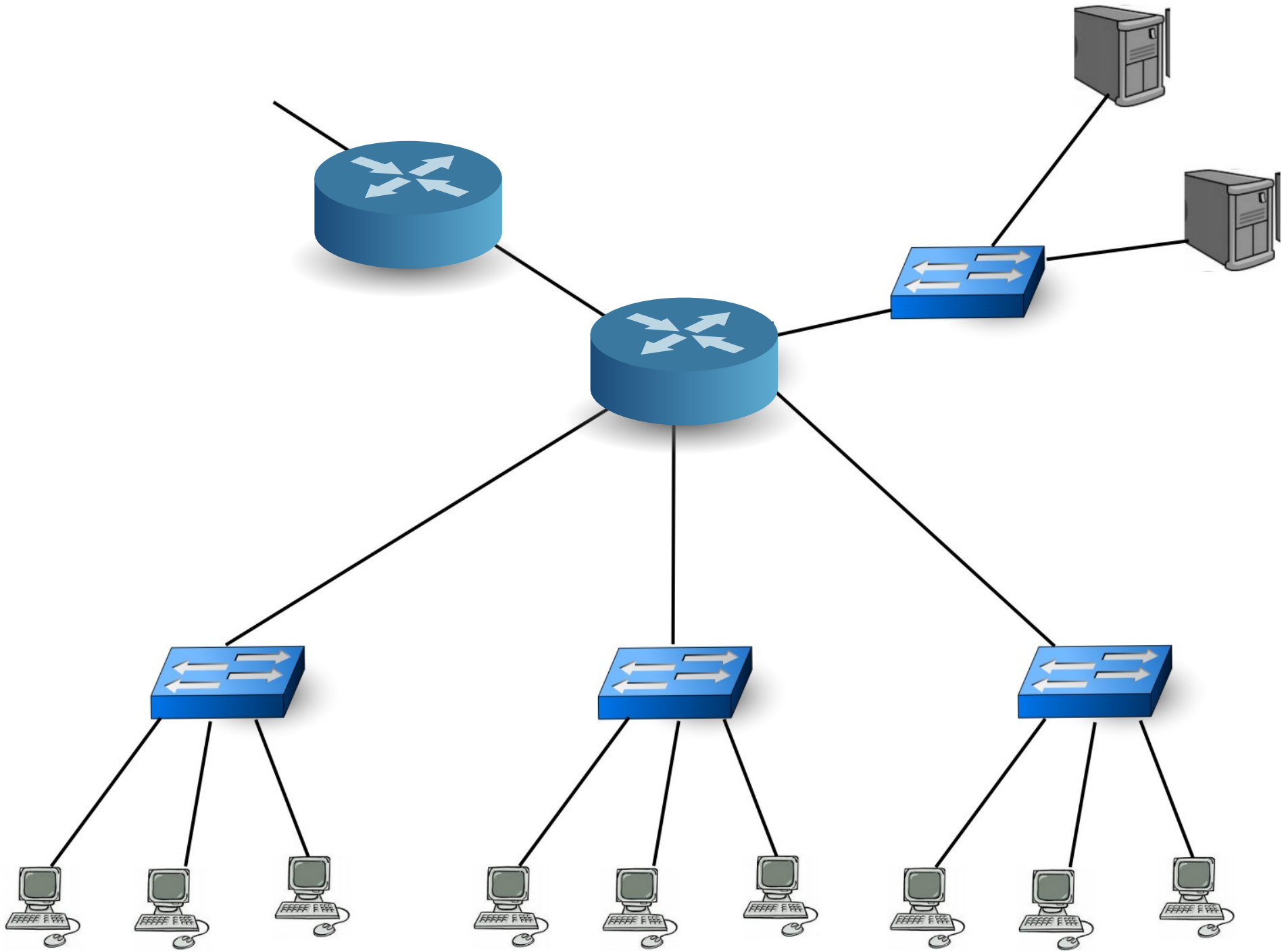


Spanning Tree Protocol

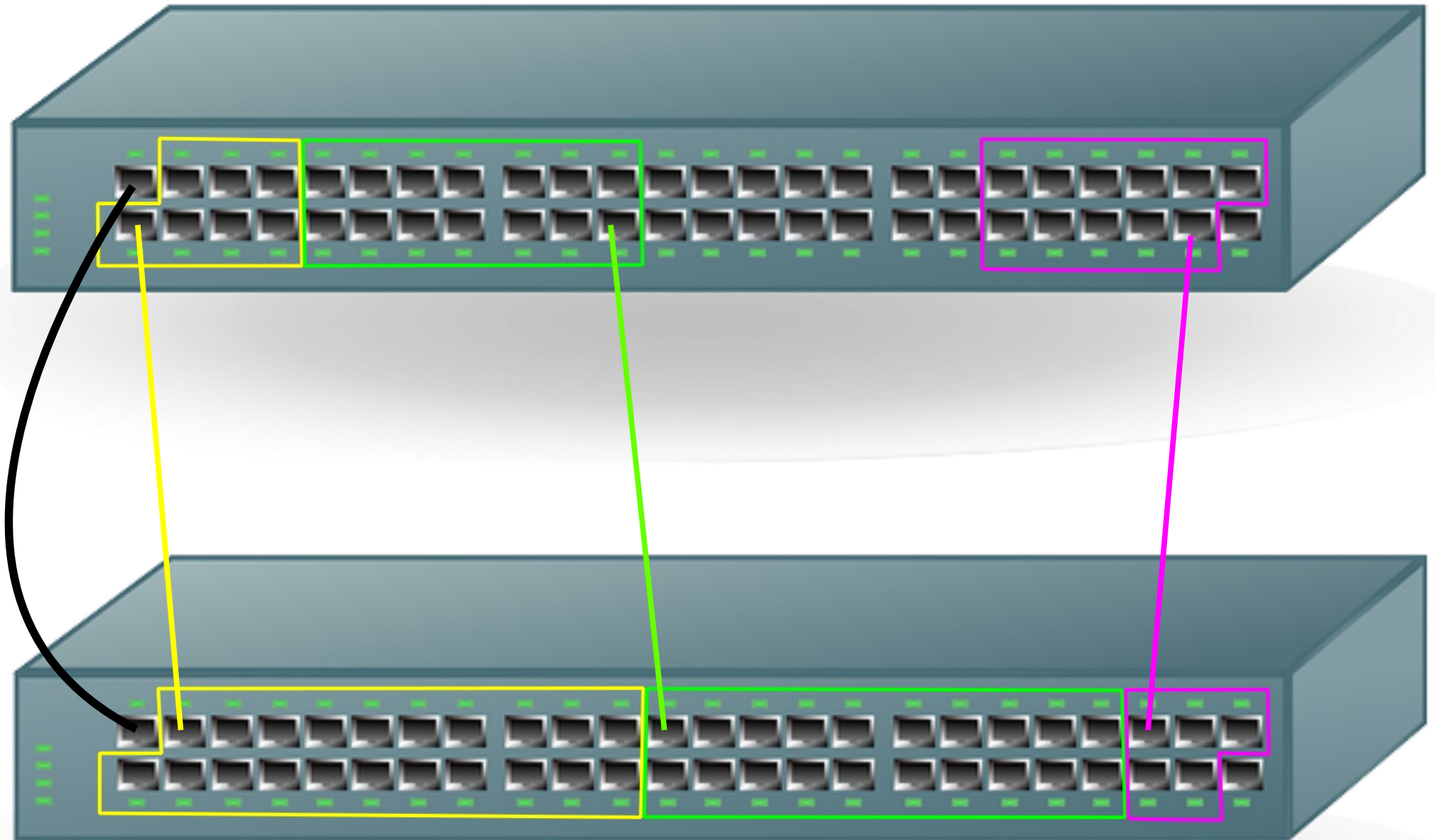


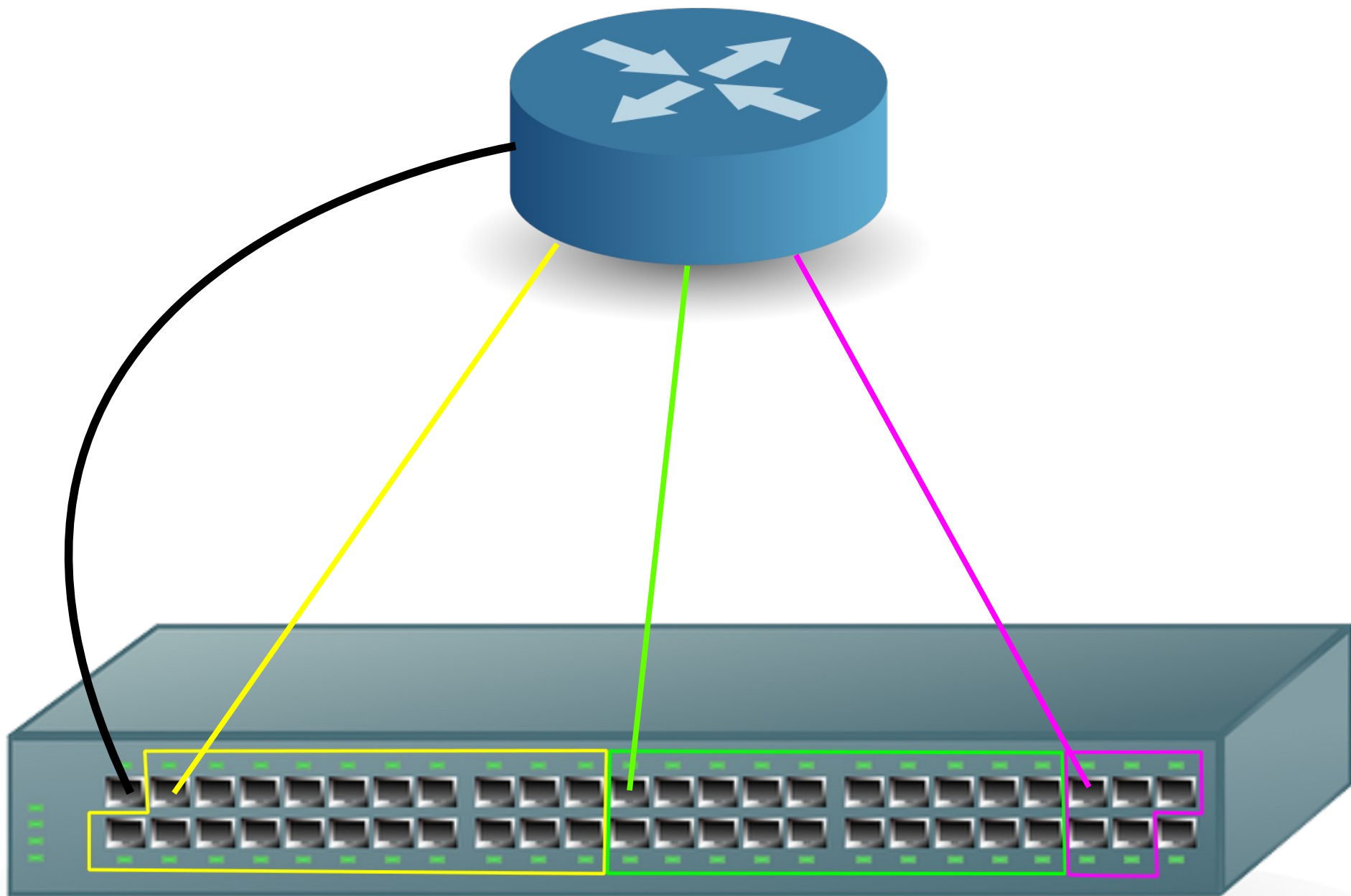
Redes locales virtuales

Virtual LAN (VLAN)



VLAN





Router-Switch

