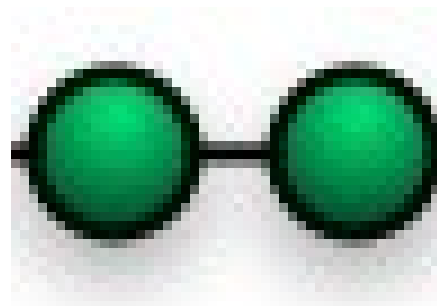


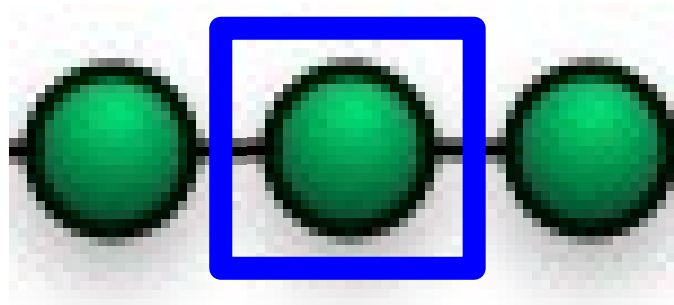
Topologia Fizyczna

Topologia Logiczna

(Topologia Sygnału)



Point-to-point /
Połączenie dwupuntowe

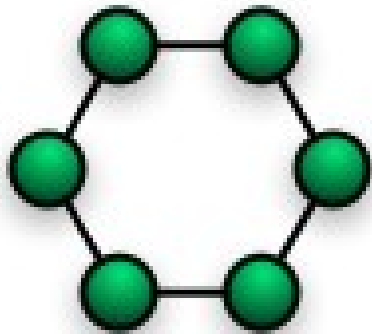


Bridge / Most(ek)

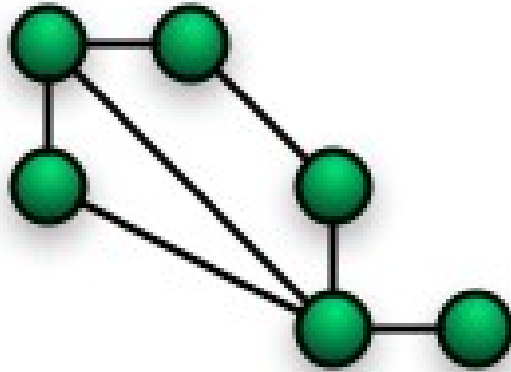
Repeater

Media Converter
Transceiver

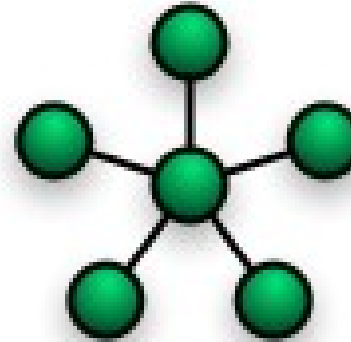




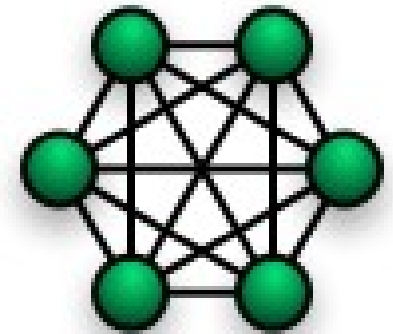
Ring
Pierścień



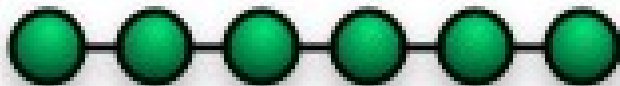
Mesh
Krata / Siatka



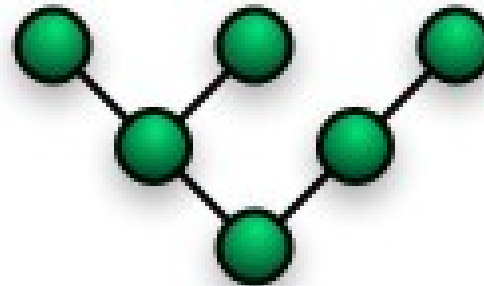
Star
Gwiazda



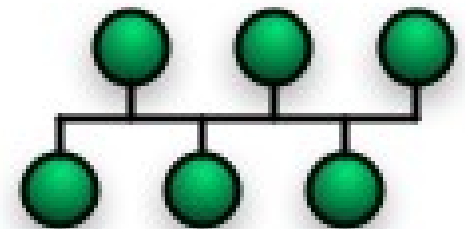
Fully Connected
Siatka



Line
Linia

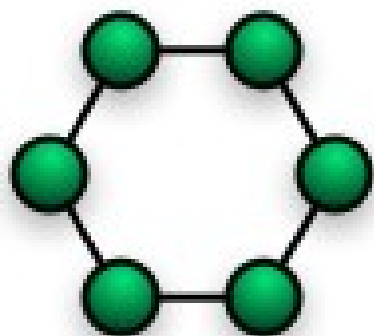


Tree
Drzewo /
Hierarchia

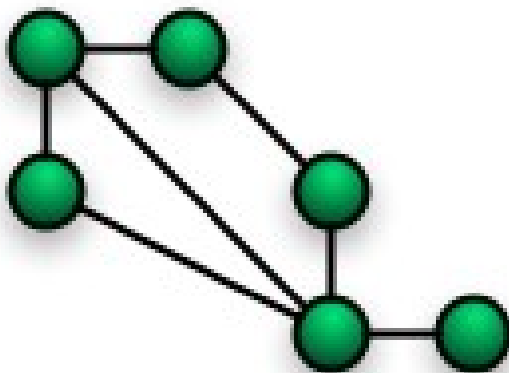


Bus
Magistrala

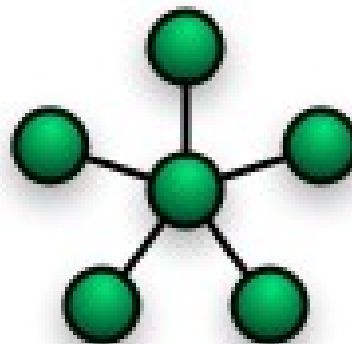
Ethernet 10BT, 100BT, 1000BT (Gigabit)
Token Ring (Fizyczna), Telefon



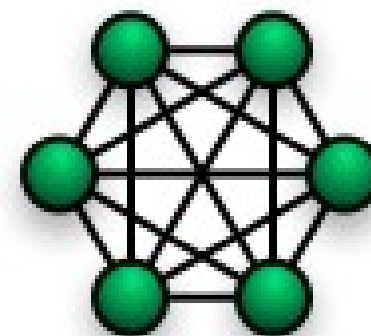
Ring
Pierścień



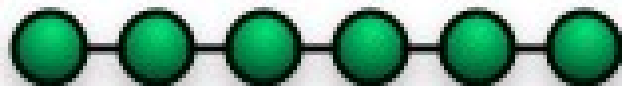
Mesh
Krata / Siatka



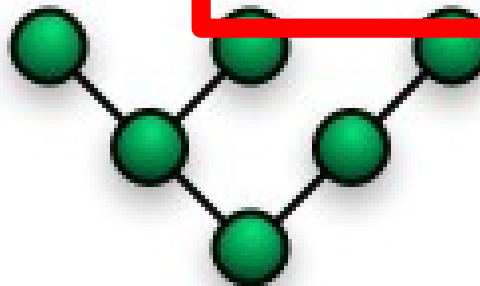
Star
Gwiazda



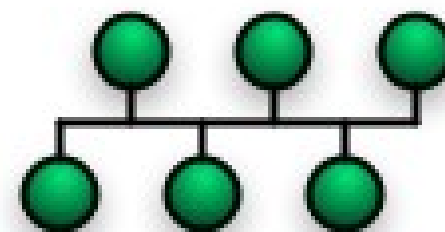
Fully Connected
Siatka



Line
Linia



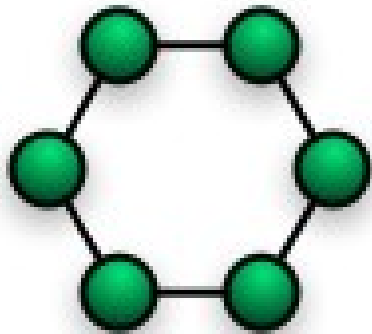
Tree
Drzewo /
Hierarchia



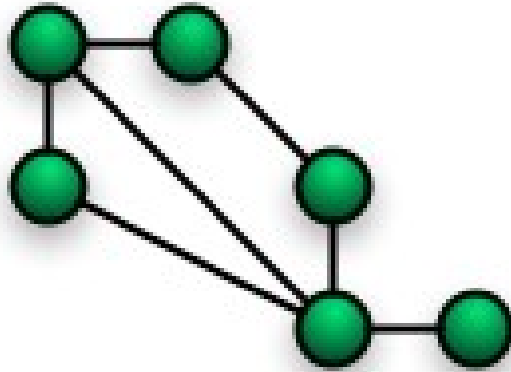
Bus
Magistrala

Ethernet 10BT, 100BT, 1000BT (Gigabit)

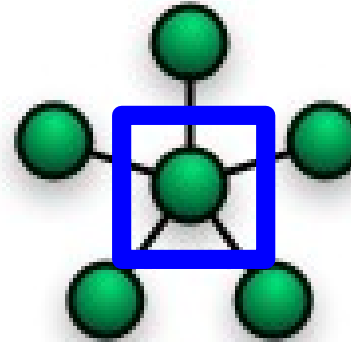
Hub / Koncentrator Switch / Przełącznik



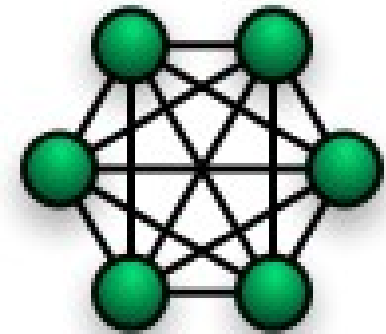
Ring
Pierścień



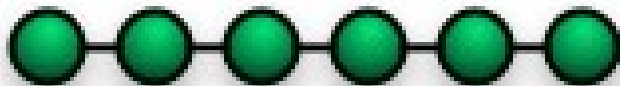
Mesh
Krata / Siatka



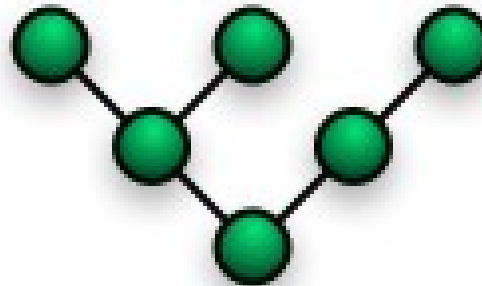
Star
Gwiazda



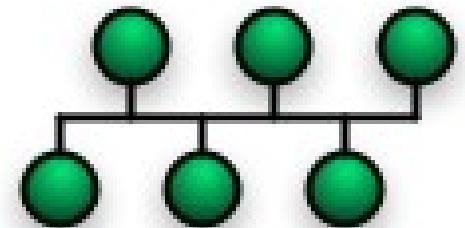
Fully Connected
Siatka



Line
Linia



Tree
Drzewo /
Hierarchia



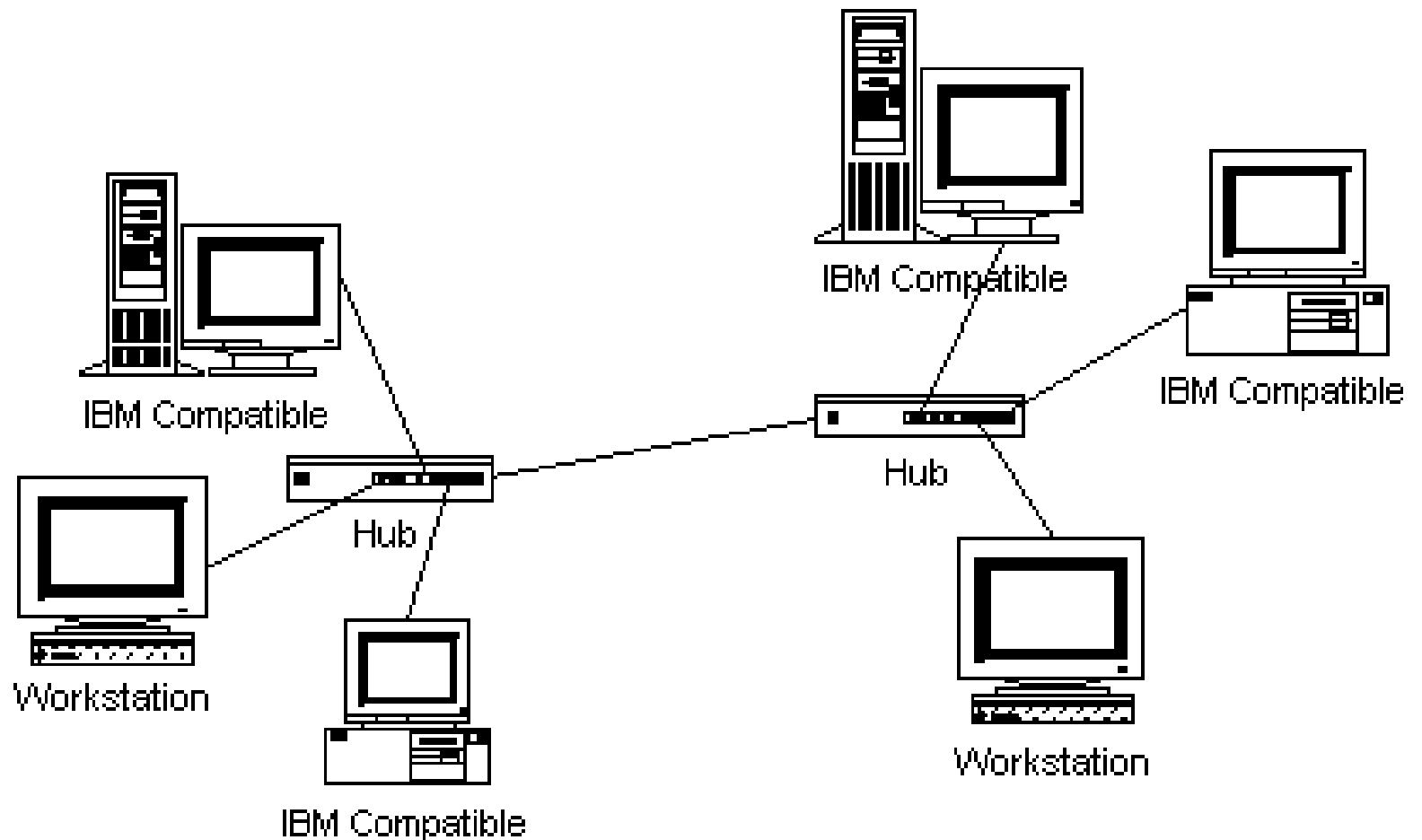
Bus
Magistrala

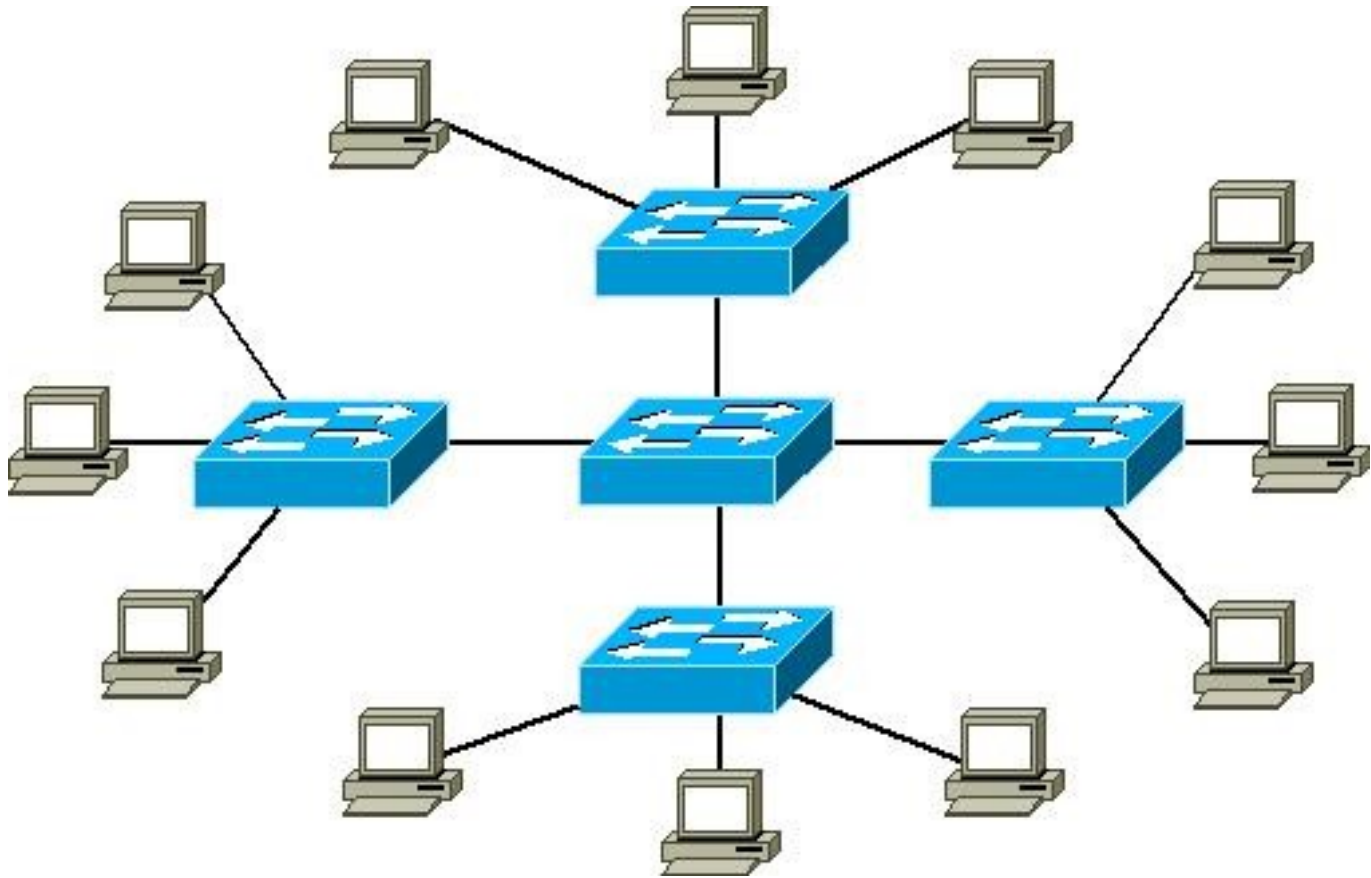


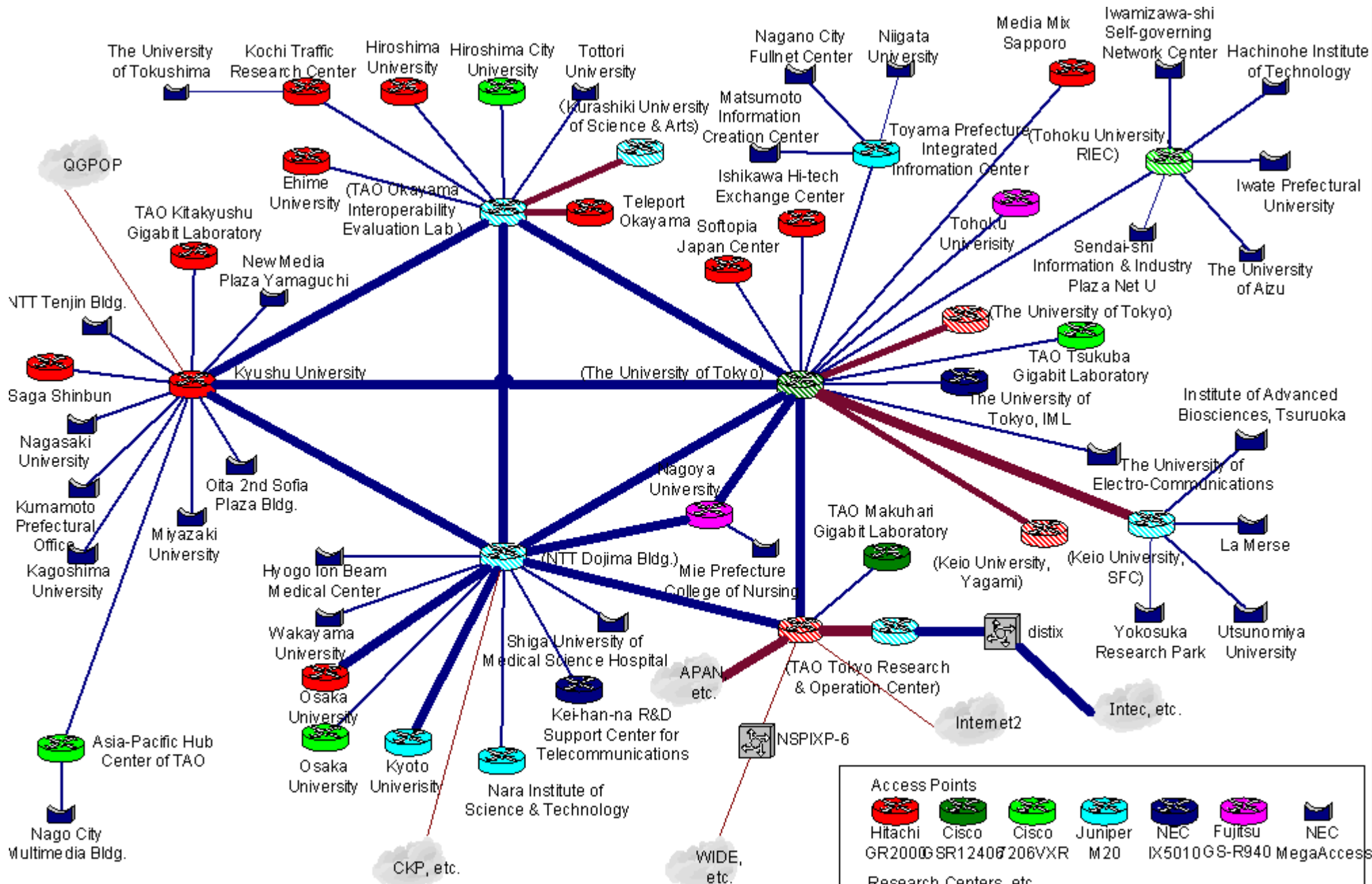
Ethernet 100 Base T, Gigabit (1000BT):

Kabel UTP (skrętka)

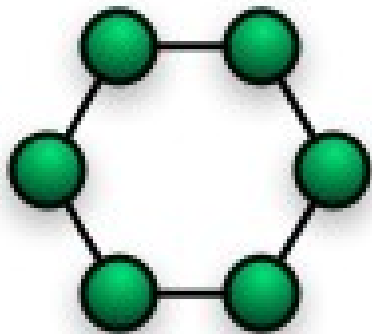
Droga instalacja, odporna, łatwa rozbudowa



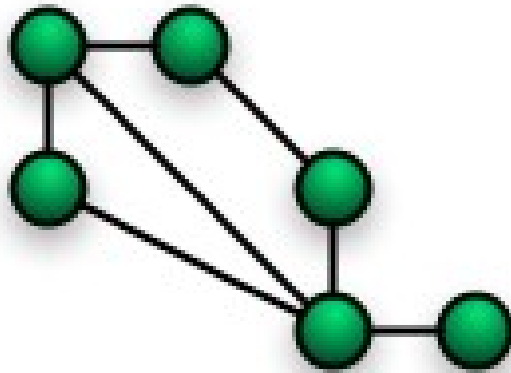




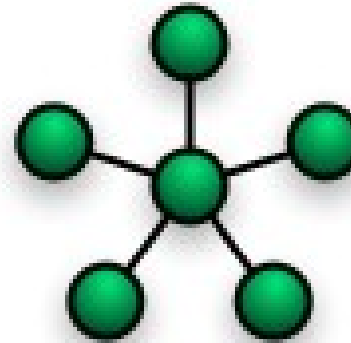
Access Points	Research Centers, etc.	Line Type
Hitachi	Hitachi	JGN(OC-12)
Cisco	Cisco	JGN(OC-3)
Cisco	Cisco	Others
Juniper	Juniper	
NEC		
Fujitsu		
NEC		



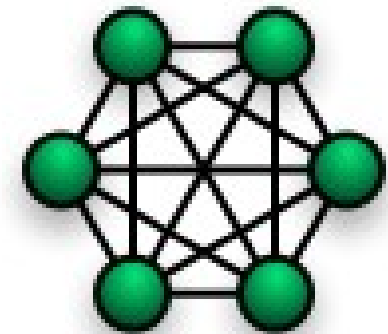
Ring
Pierścień



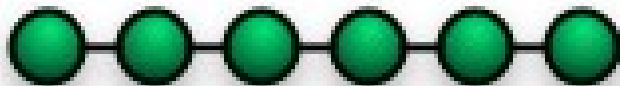
Mesh
Krata / Siatka



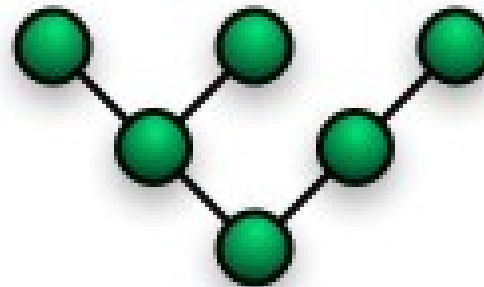
Star
Gwiazda



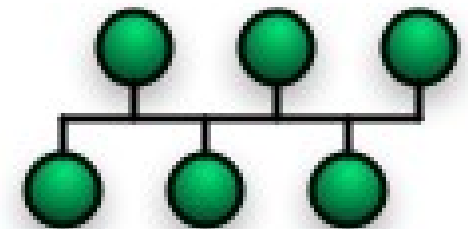
Fully Connected
Siatka



Line
Linia

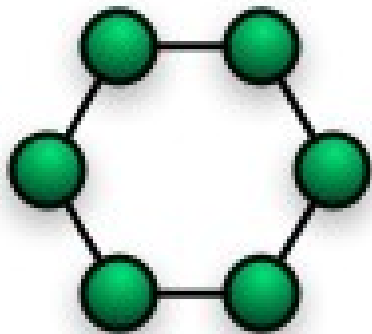


Tree
Drzewo /
Hierarchia

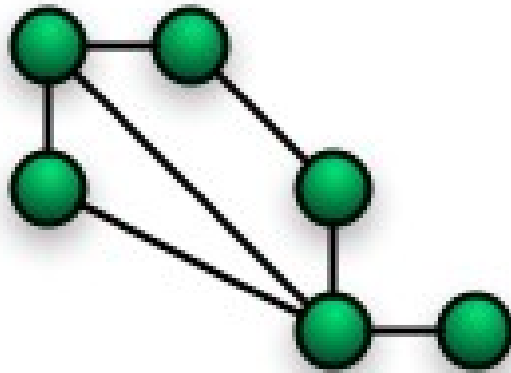


Bus
Magistrala

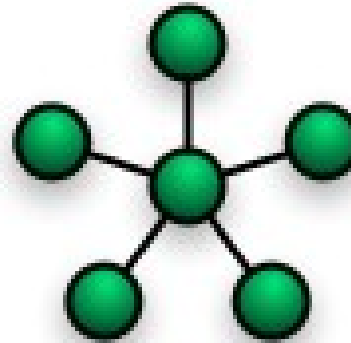
Ethernet 10B2, 10BT
Telefon



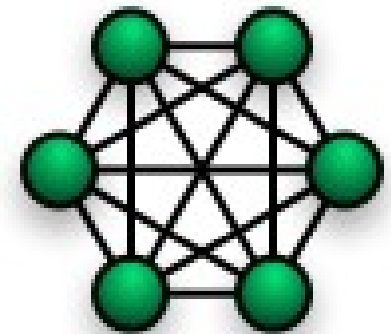
Ring
Pierścień



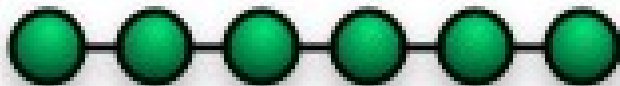
Mesh
Krata / Siatka



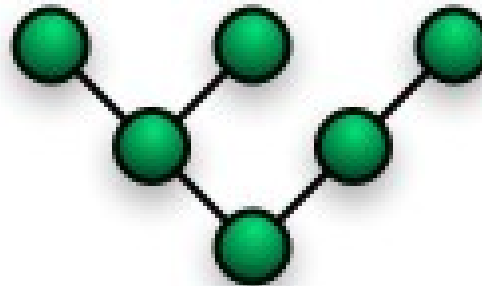
Star
Gwiazda



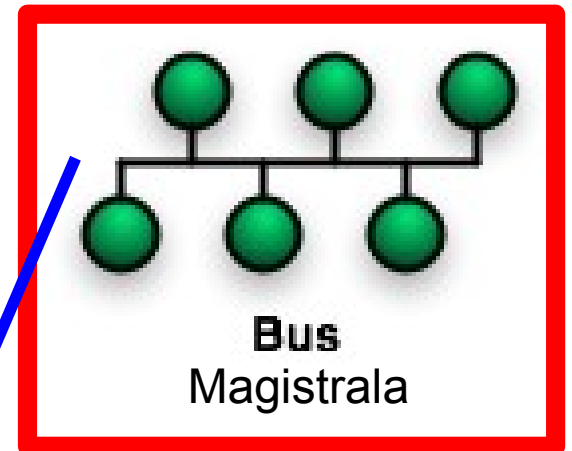
Fully Connected
Siatka



Line
Linia



Tree
Drzewo /
Hierarchia

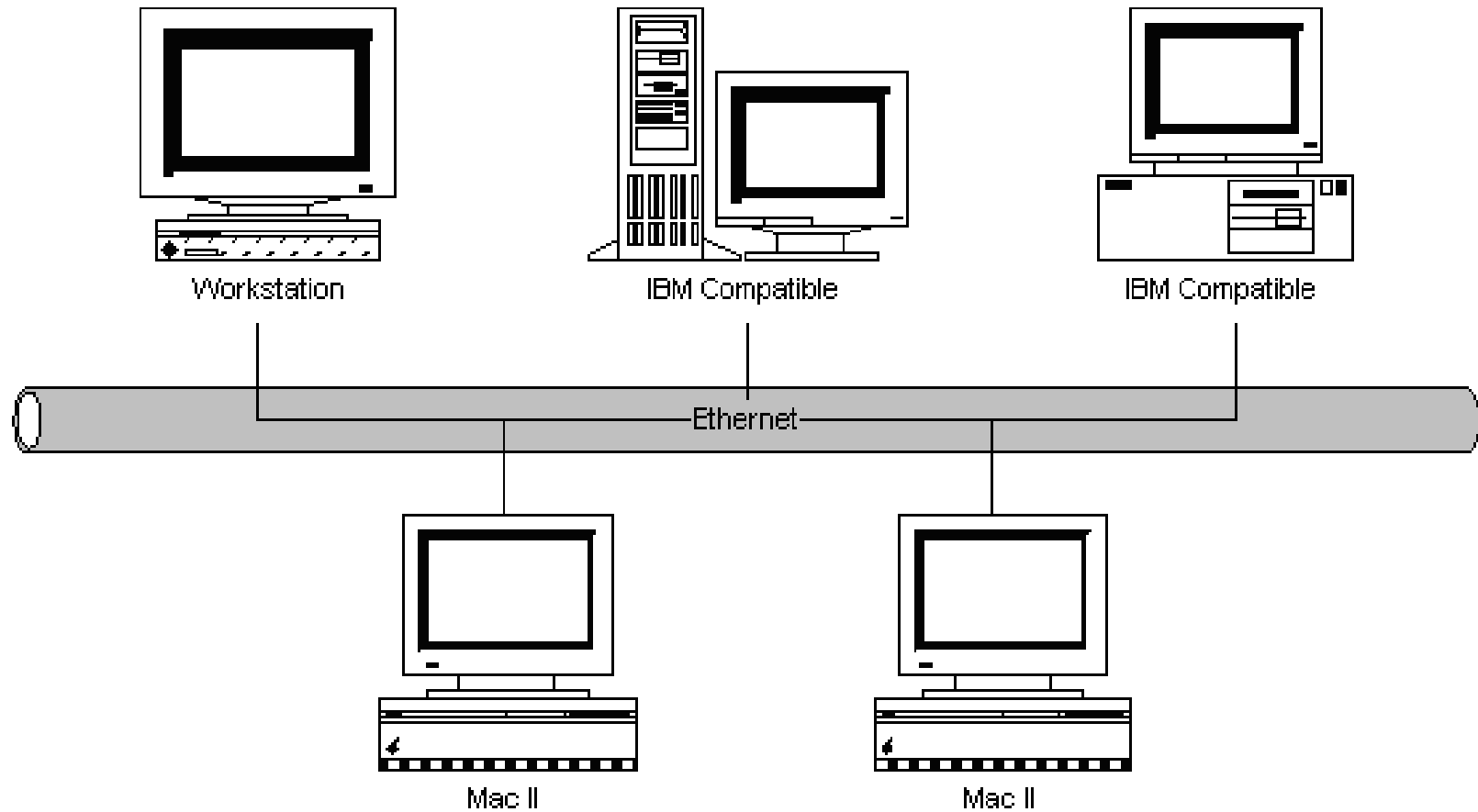


Bus
Magistrala

Ethernet 10B2, 10BT
Telefon

Terminator

Wszystkie komputery widzą sygnały



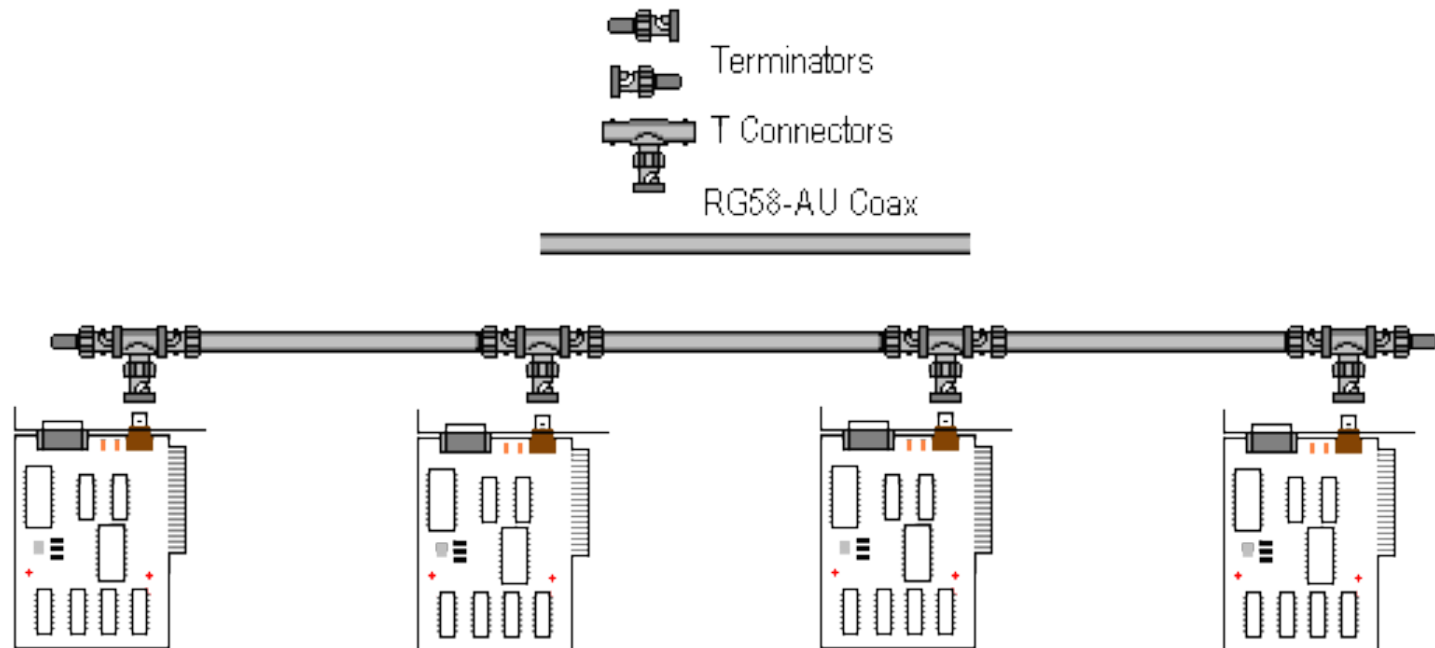
Ethernet 10 Base 2:

Kabel koncentryczny

Terminatory na końcach

Przerwa w kablu wyłącza całą instalację

Niski koszt instalacji



Ethernet 10 Base T:

Kabel UTP (skrętka)

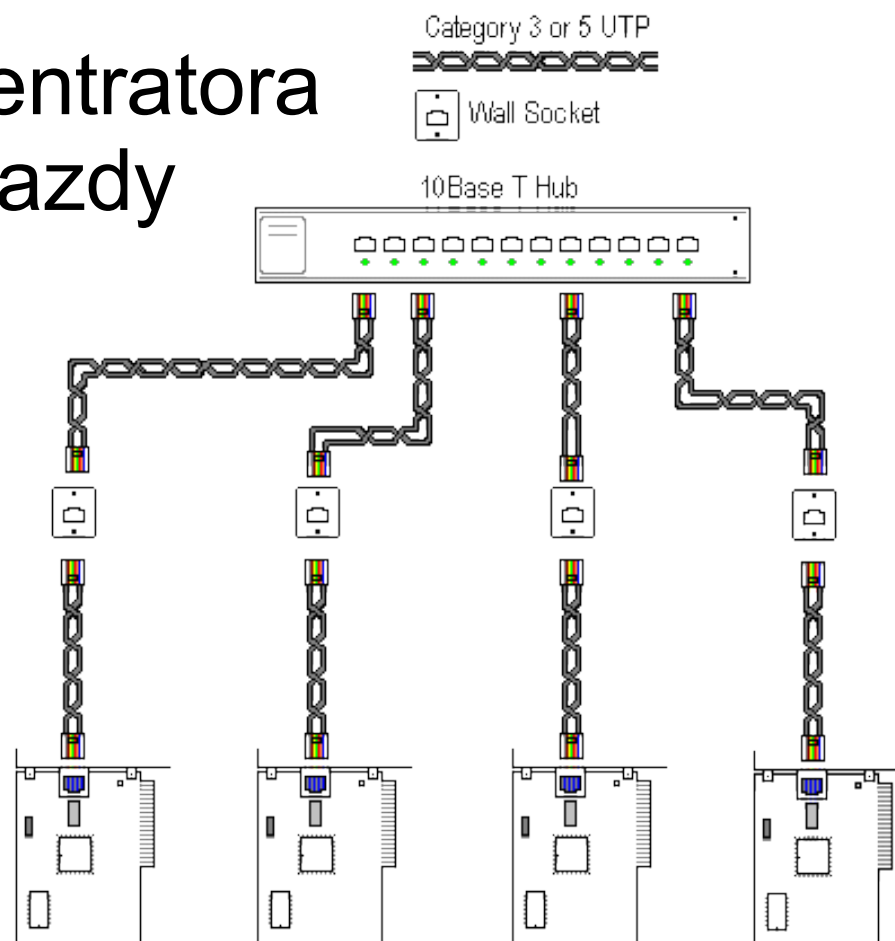
Magistrala wewnątrz koncentratora

Na zewnątrz topologia gwiazdy

Droższa instalacja

Łatwy upgrade do 100BT

Bardziej odporna



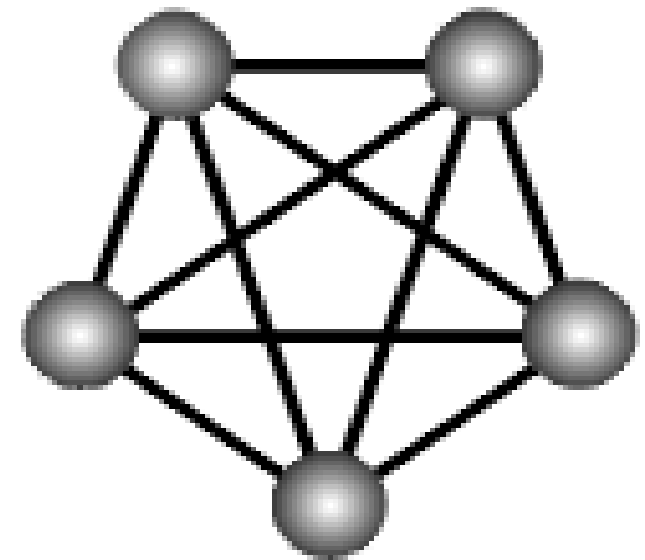
Mesh / Siatka:

Łączy wiele-do-wielu

Bardzo odporna

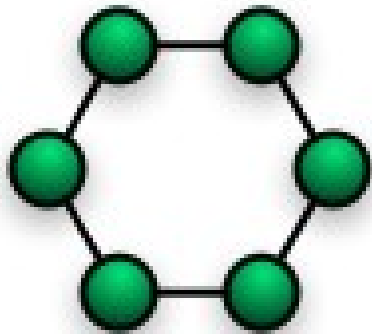
Droga, skomplikowana dla dużych instalacji

Najważniejszy przykład: Internet

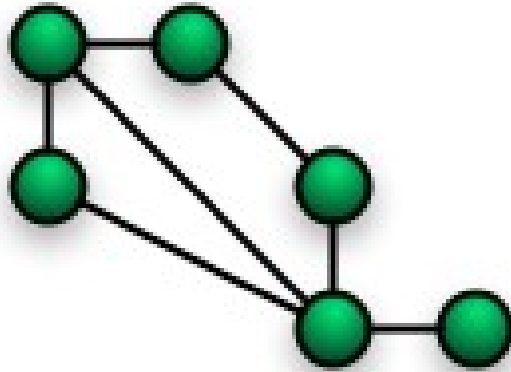


Mesh network

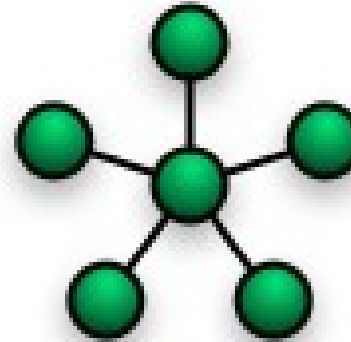
Bezprzewodowe (WiFi) Internet



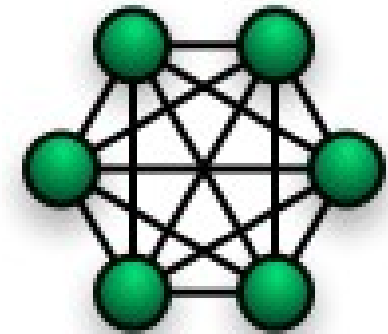
Ring
Pierścień



Mesh
Krata / Siatka



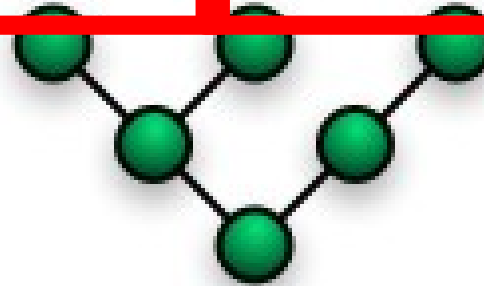
Star
Gwiazda



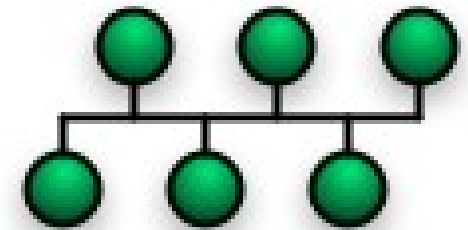
Fully Connected
Siatka



Line
Linia

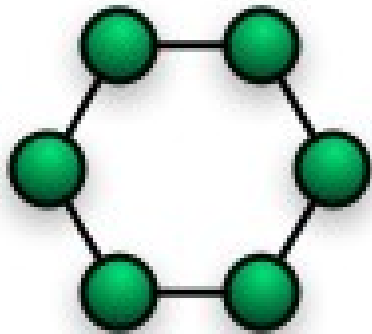


Tree
Drzewo /
Hierarchia

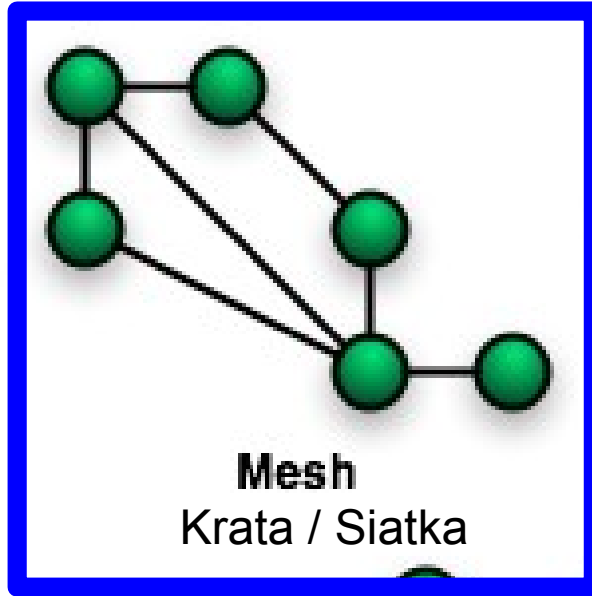


Bus
Magistrala

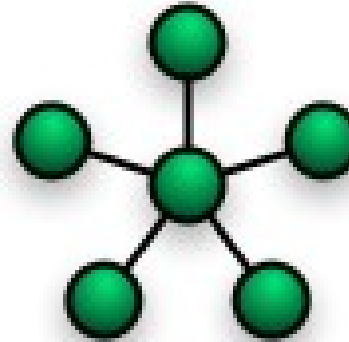
Bittorrent



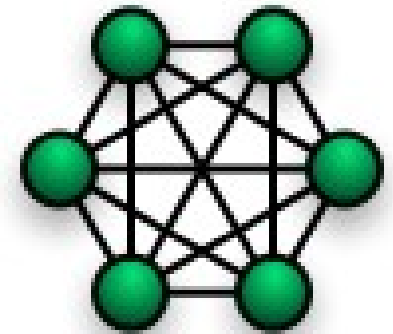
Ring
Pierścień



Mesh
Krata / Siatka



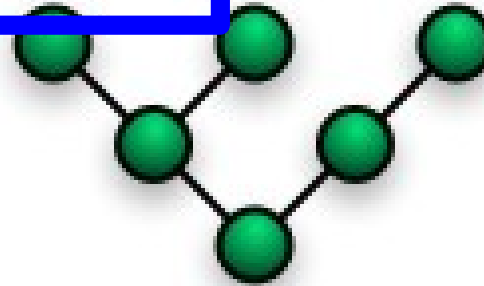
Star
Gwiazda



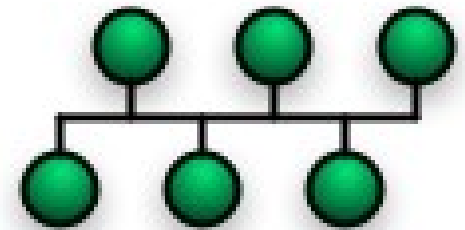
Fully Connected
Siatka



Line
Linia

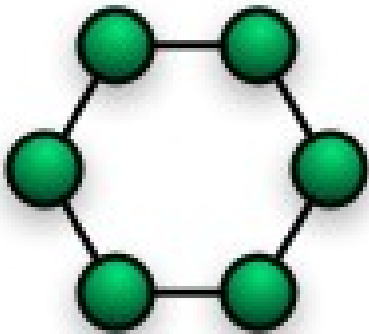


Tree
Drzewo /
Hierarchia

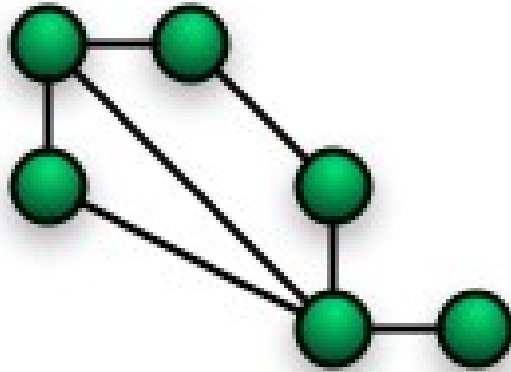


Bus
Magistrala

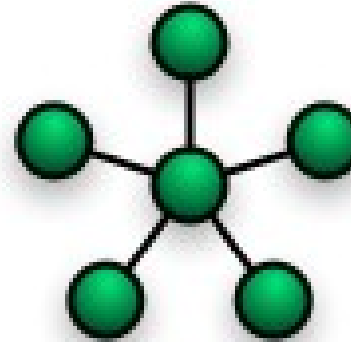
Cluster / Klaster



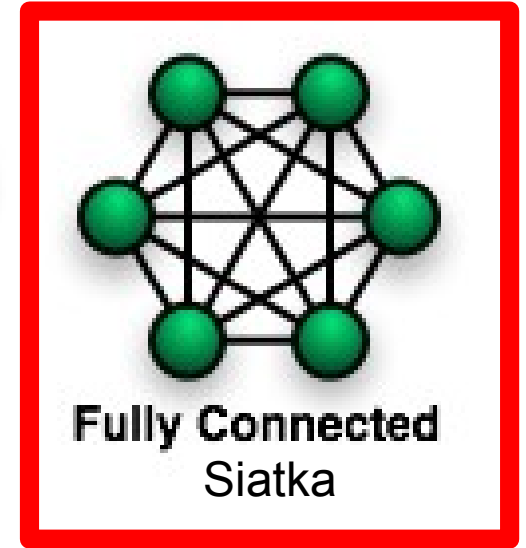
Ring
Pierścień



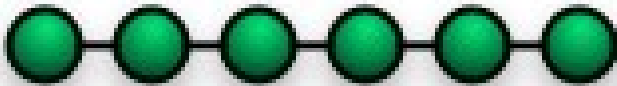
Mesh
Krata / Siatka



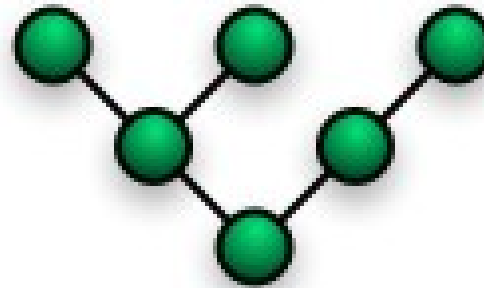
Star
Gwiazda



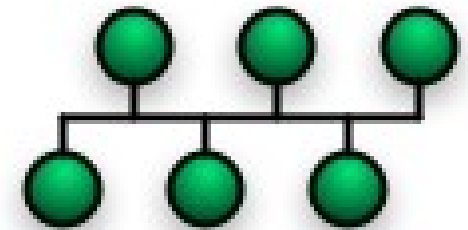
Fully Connected
Siatka



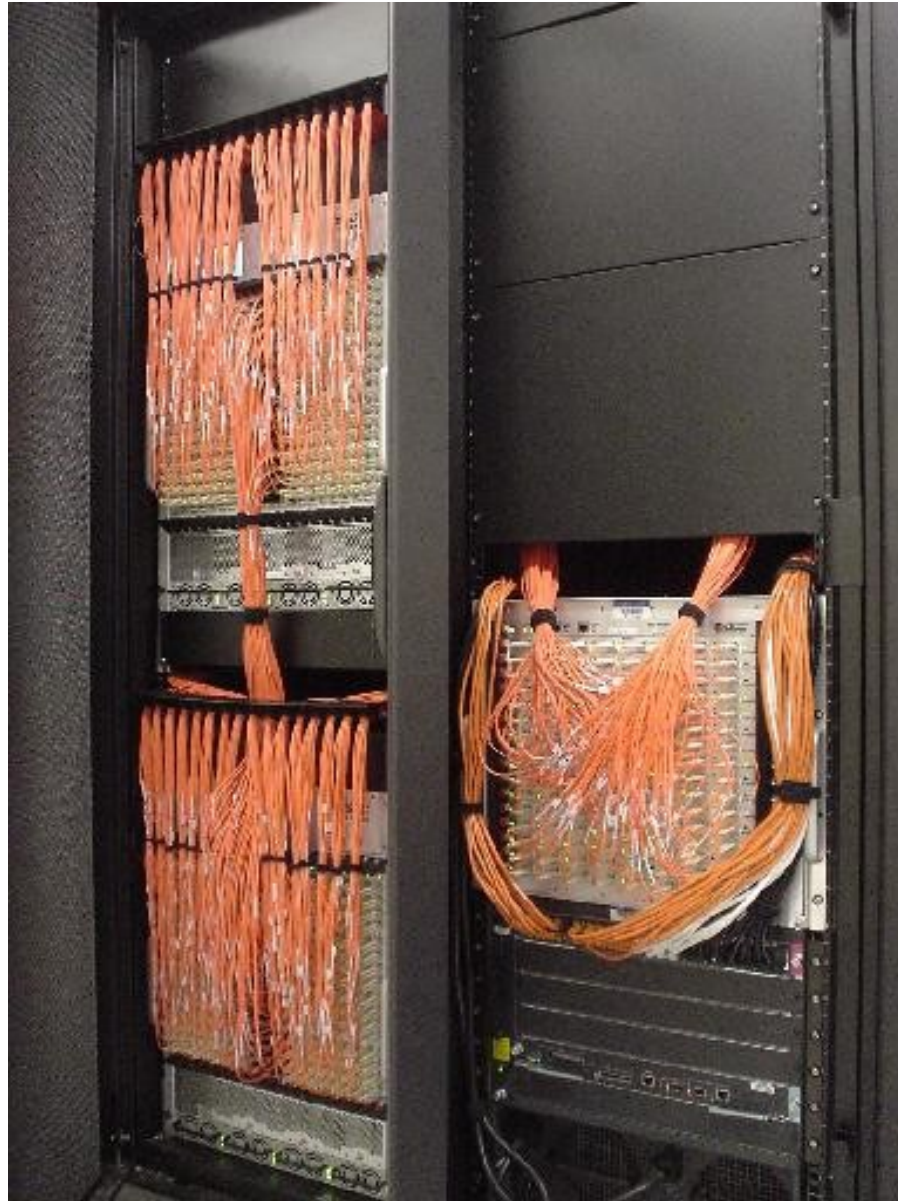
Line
Linia



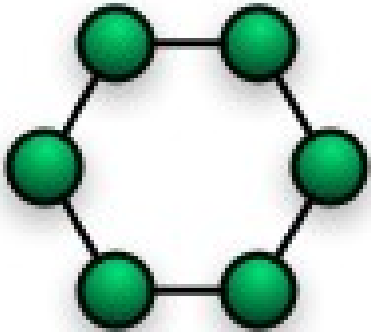
Tree
Drzewo /
Hierarchia



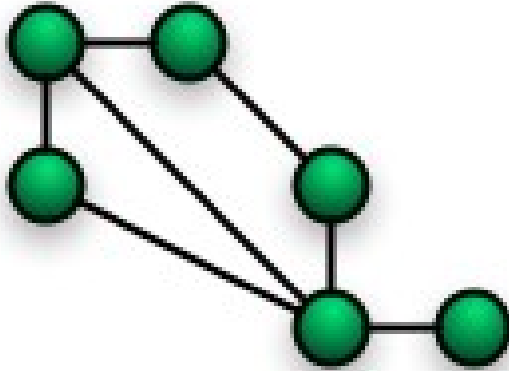
Bus
Magistrala



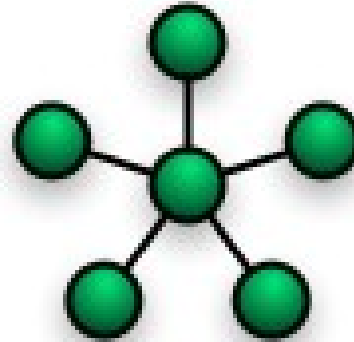
Token Ring (Logiczna) FDDI



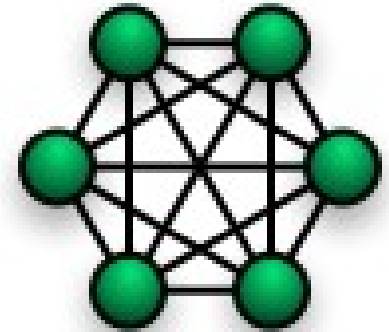
Ring
Pierścień



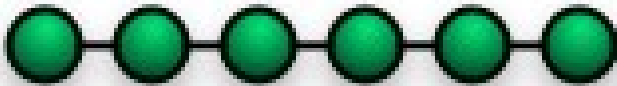
Mesh
Krata / Siatka



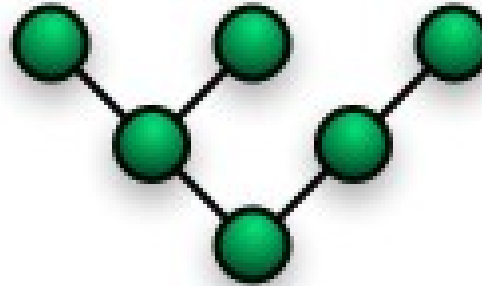
Star
Gwiazda



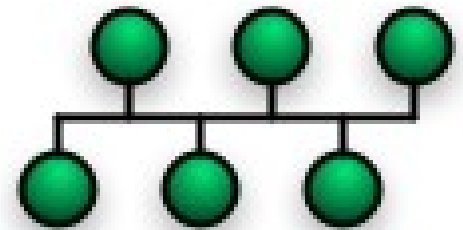
Fully Connected
Siatka



Line
Linia



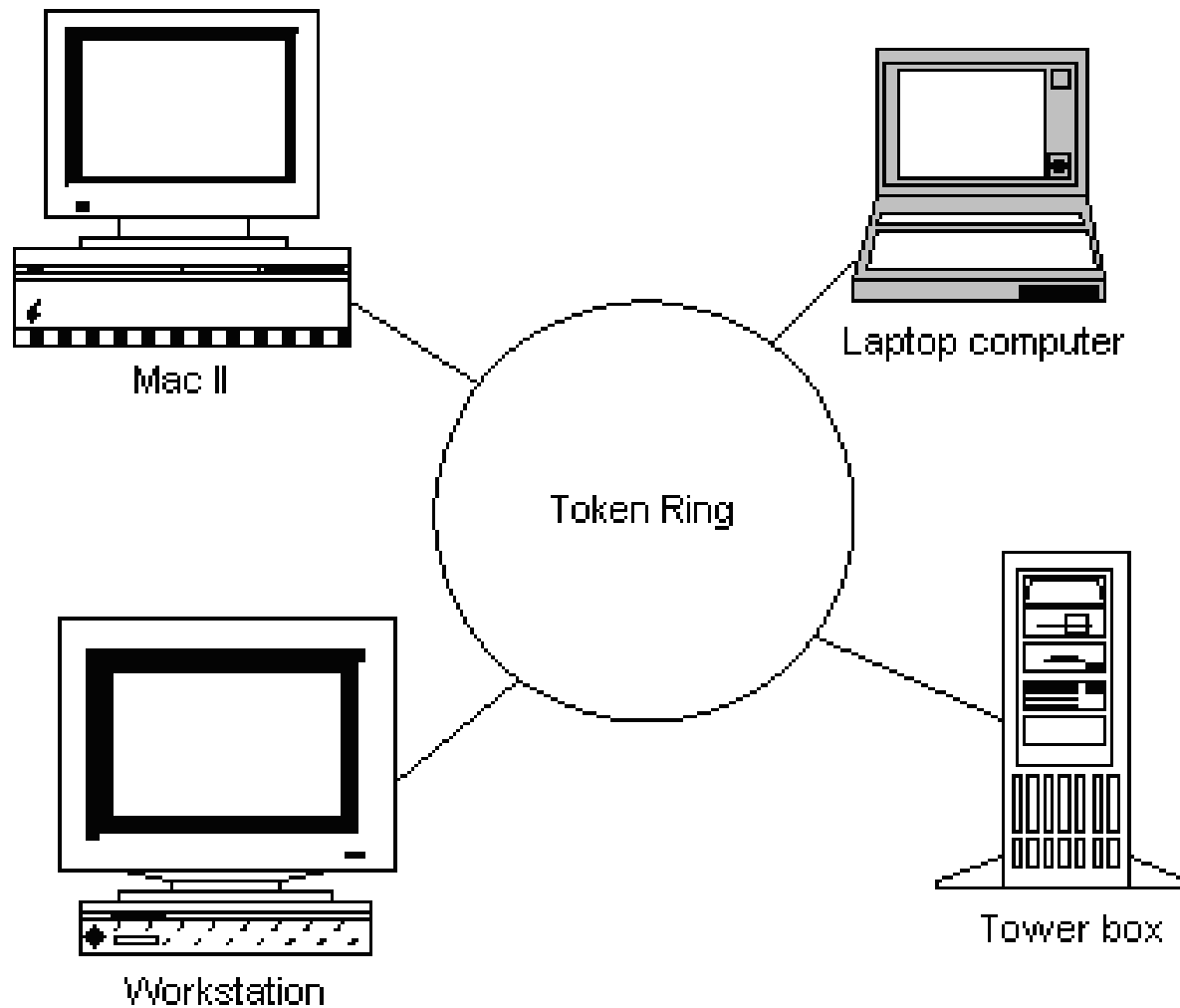
Tree
Drzewo /
Hierarchia



Bus
Magistrala

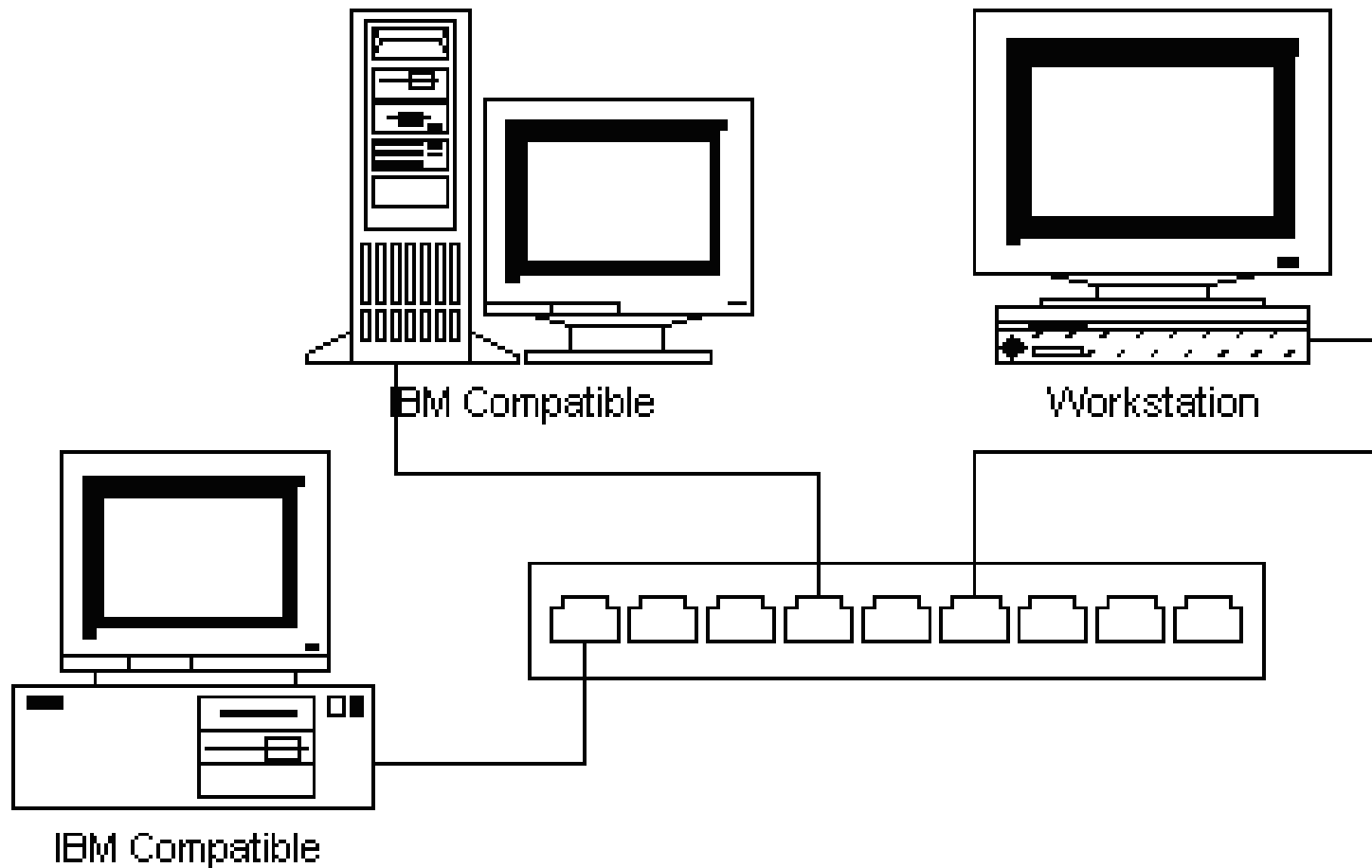
Token ring:

Pierścień



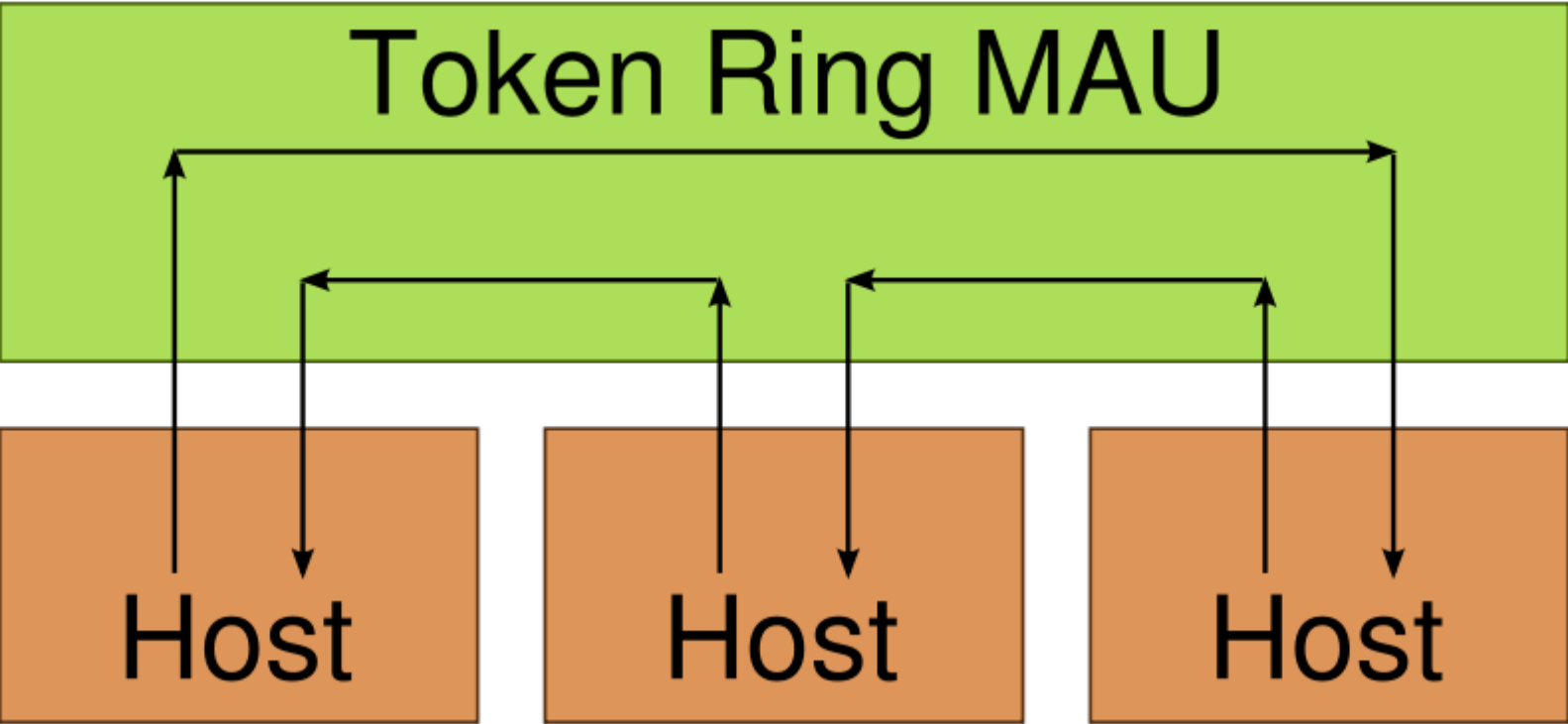
Token ring:

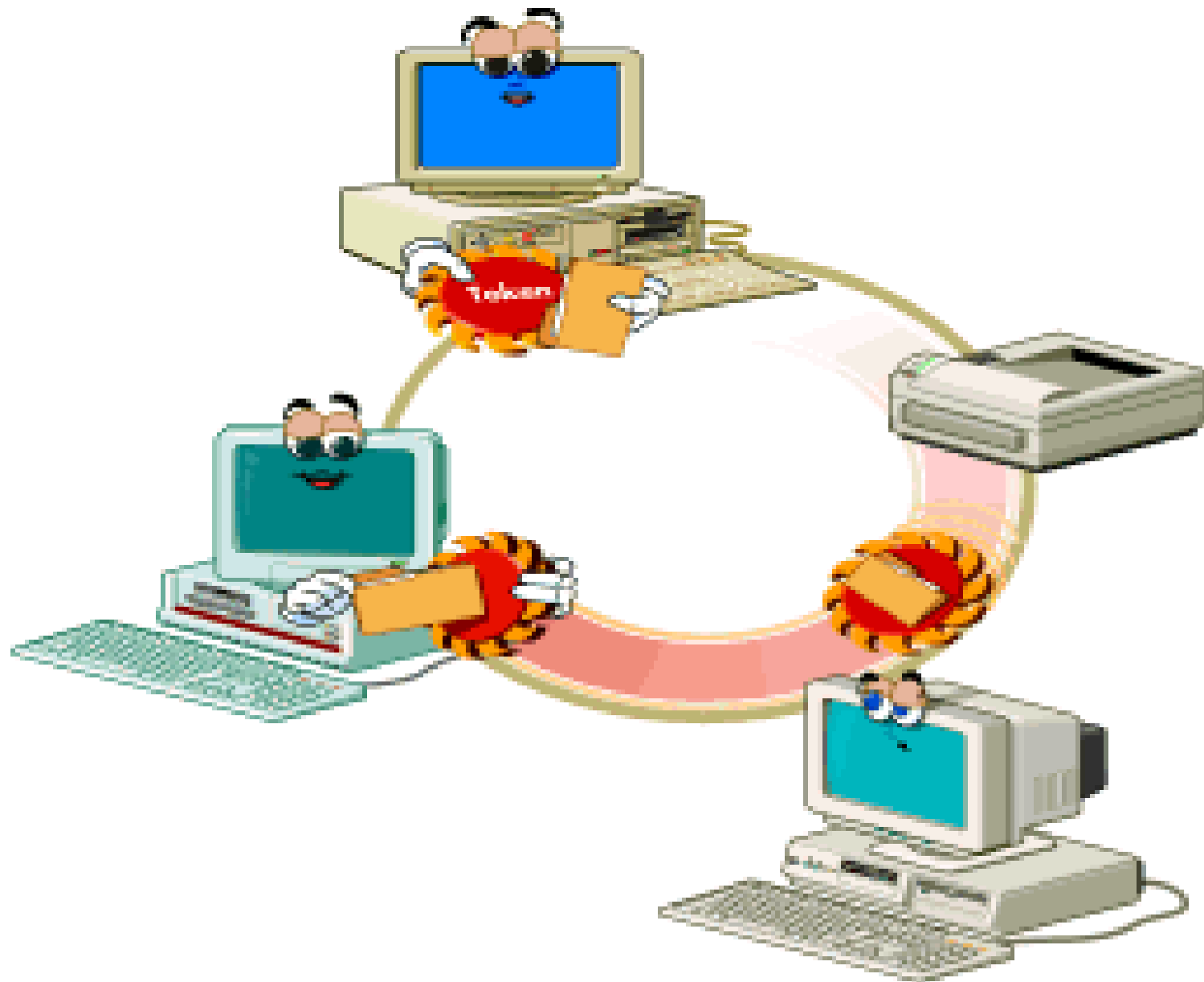
Na zewnątrz topologia gwiazdy



Token Ring

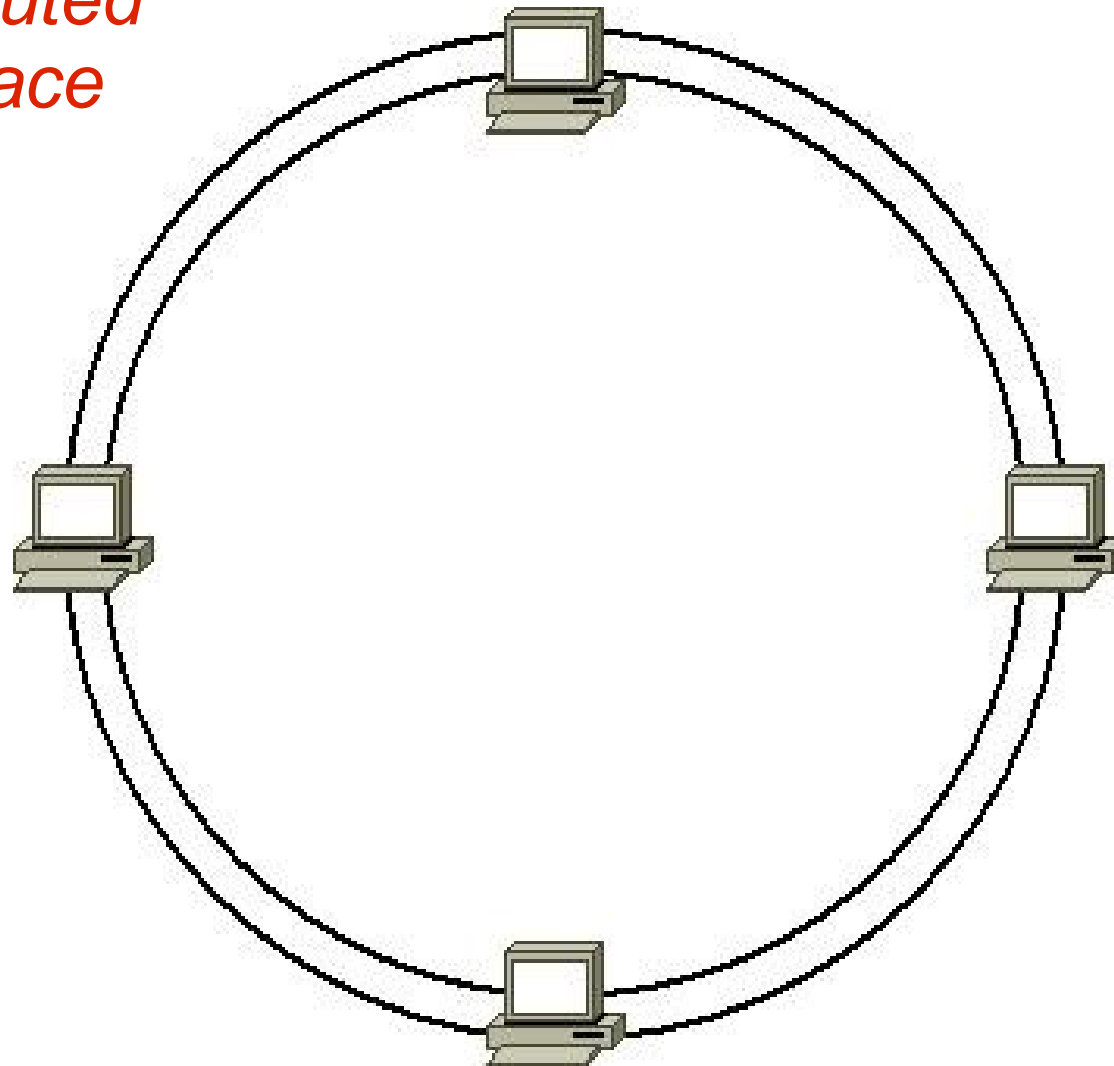
Media Access Unit





FDDI

*Fiber Distributed
Data Interface*



FDDI:

Działanie jak w Token Ring

Łączy optyczne w skali miasta

Dwa pierścienie: jeden zapasowy

Obwód do 200 km

