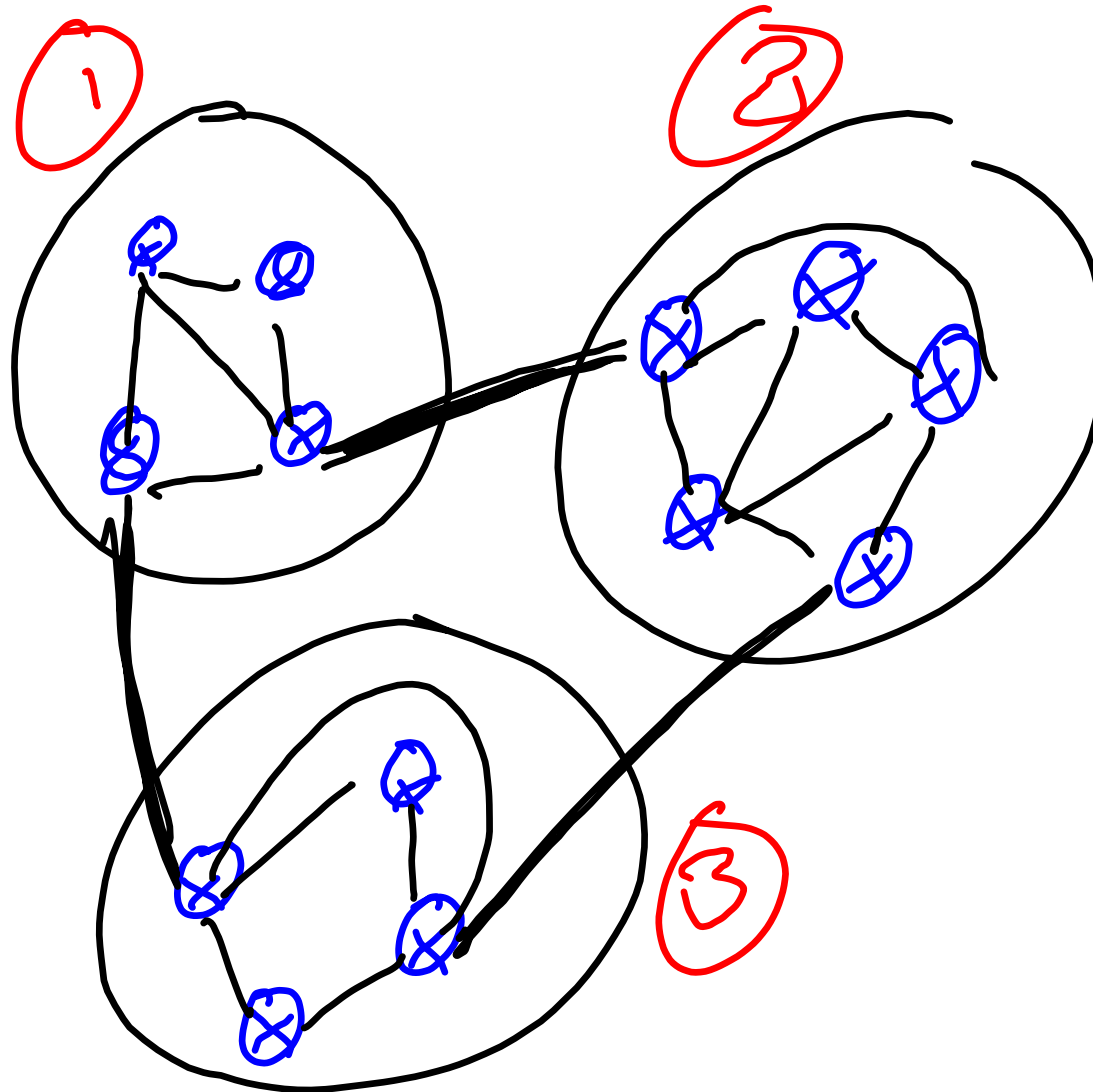
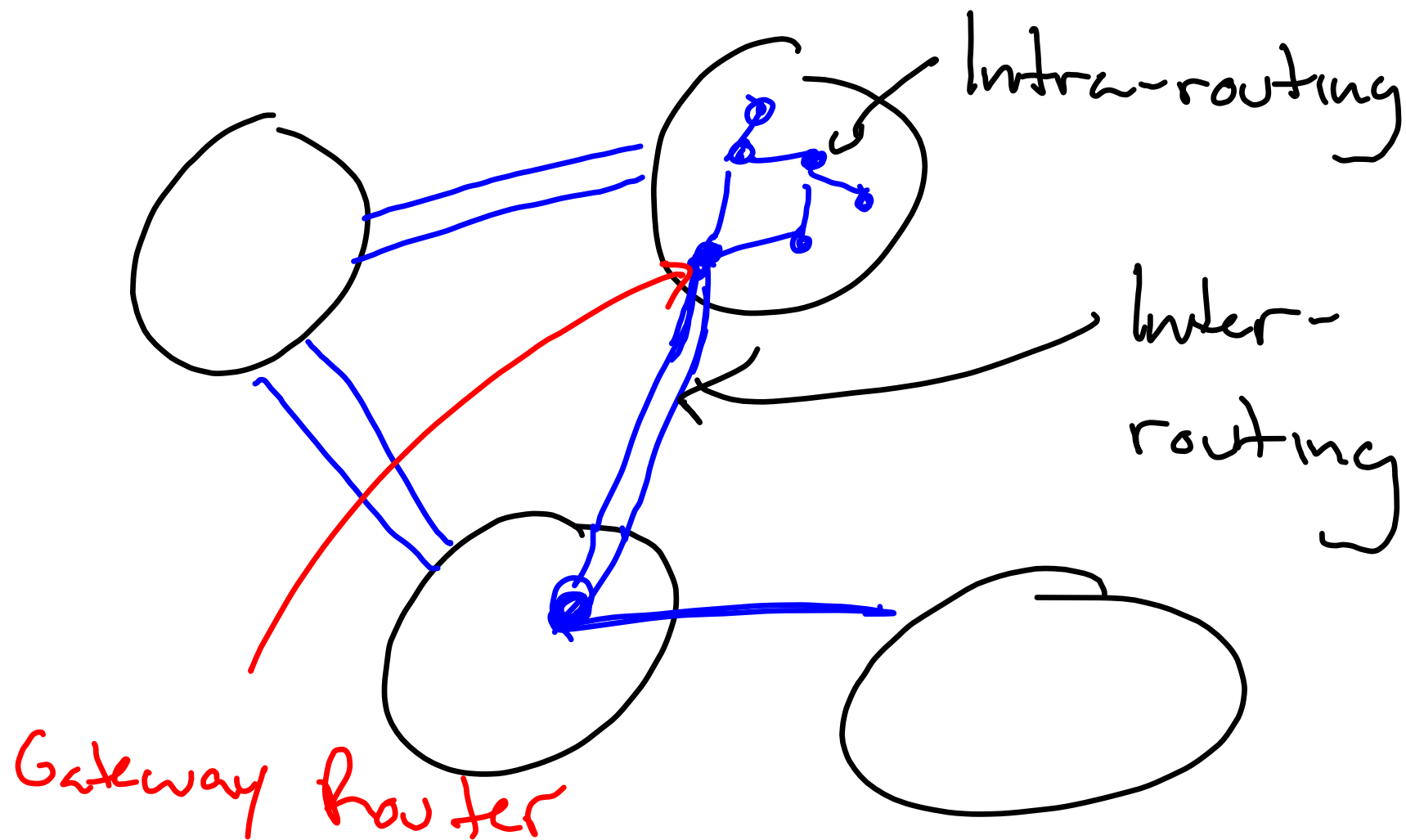


Routing Protocols

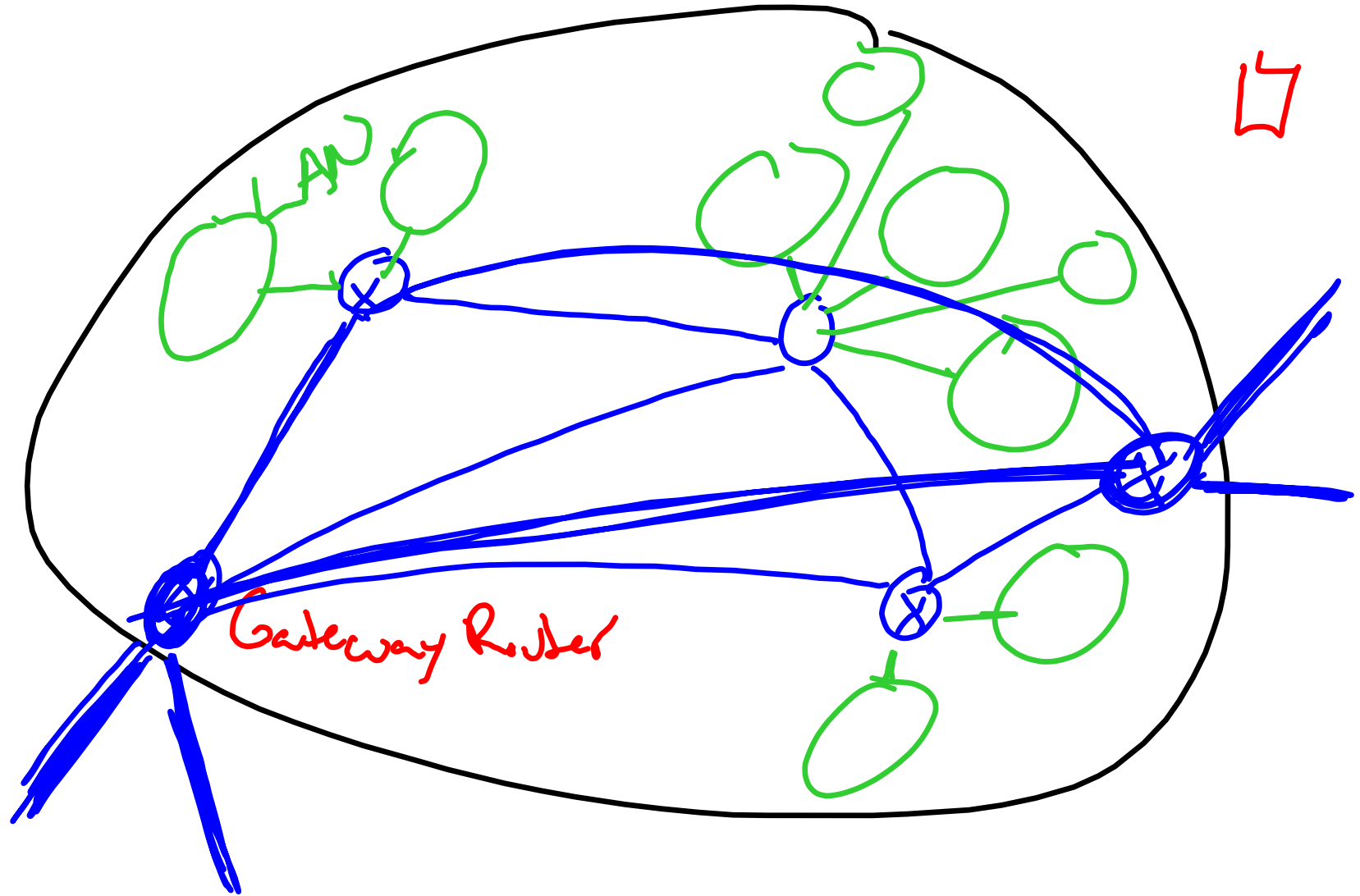
Autonomous Systems (AS)

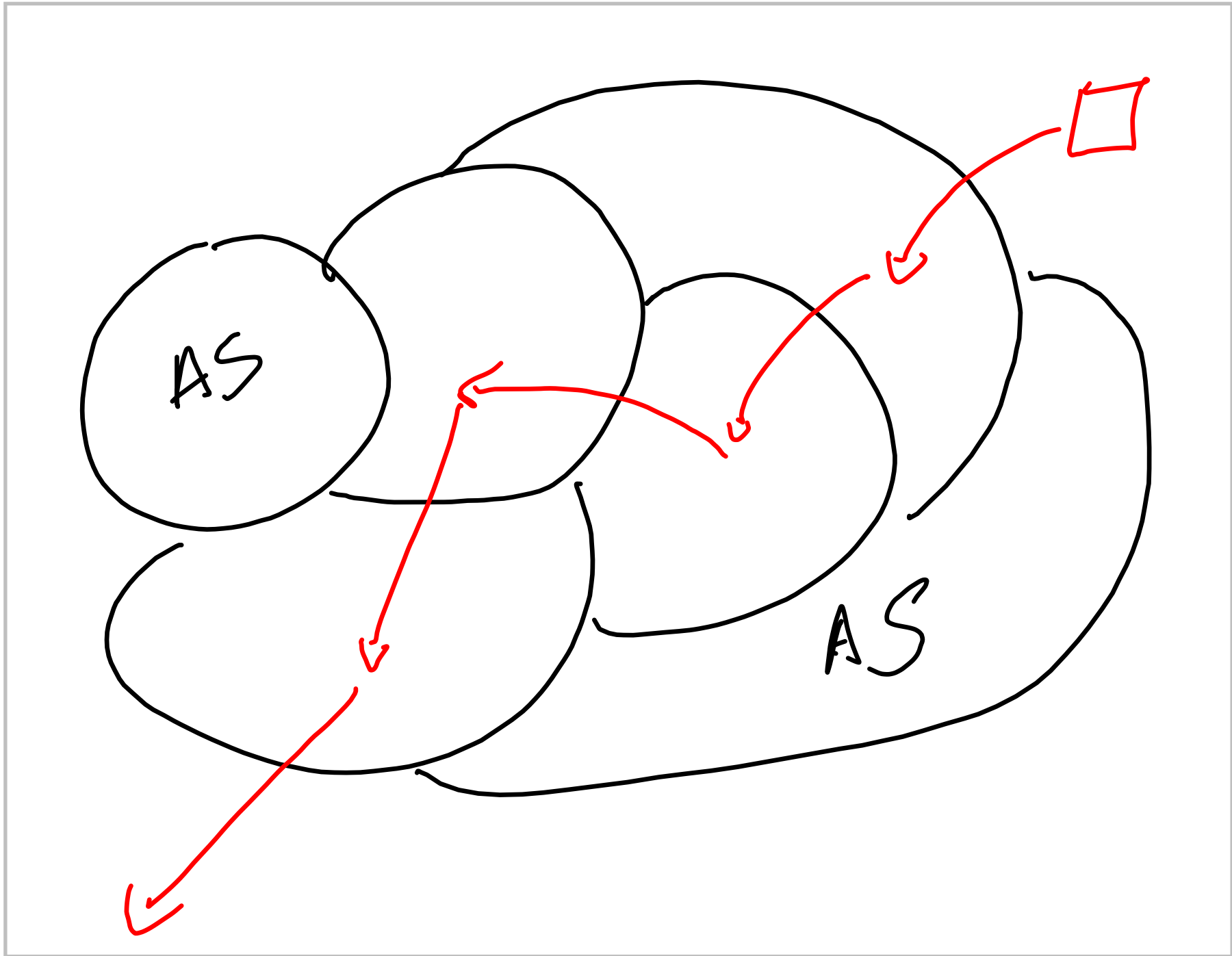


How do as's communicate



Inside an AS





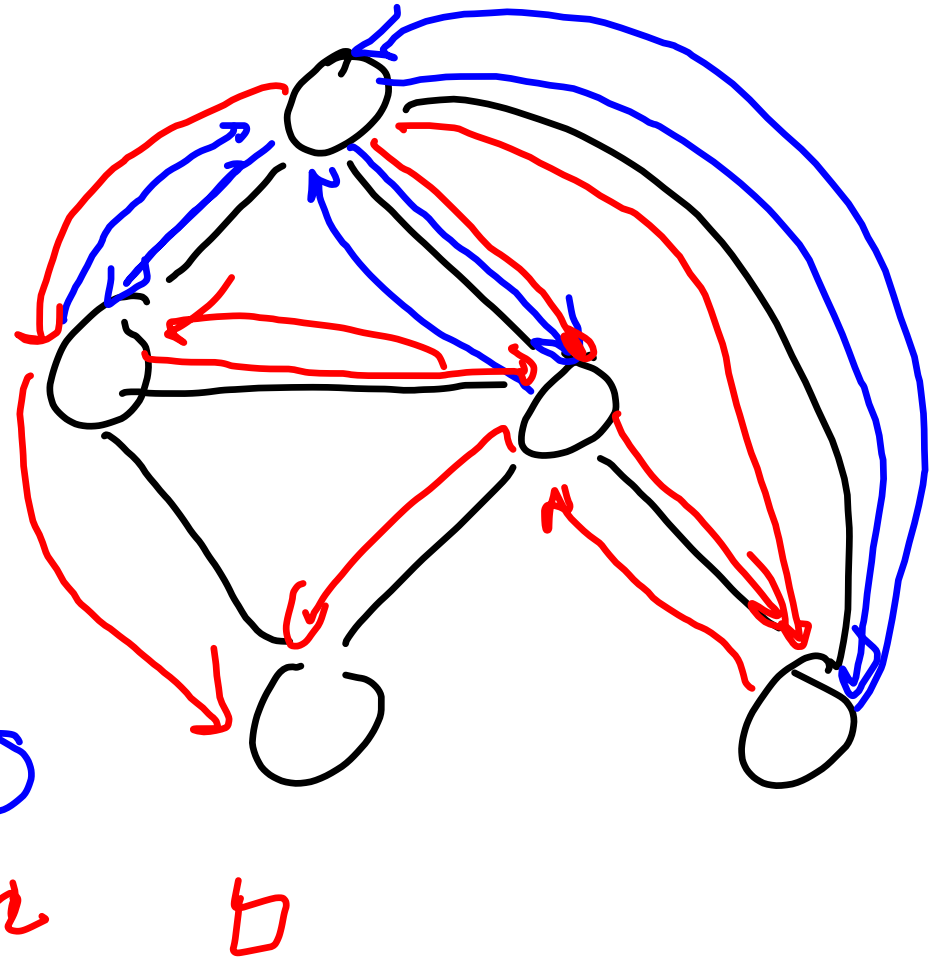
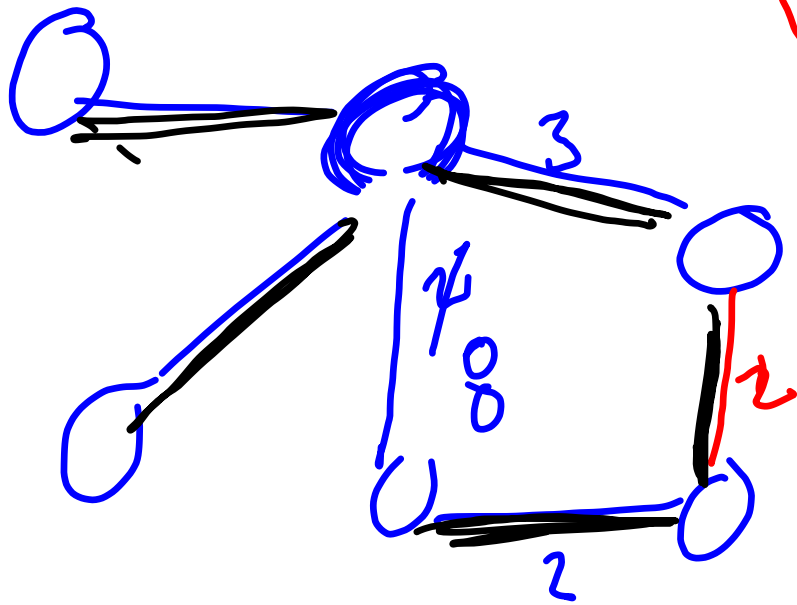
Intra-AS Routing

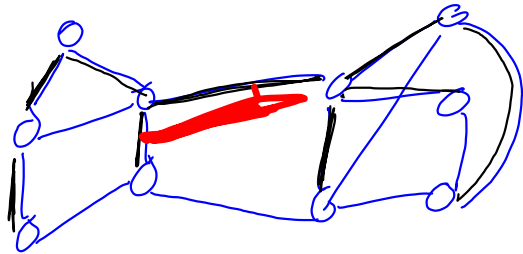
OSPF

- Routers create routing tables
- Know S.P. to destinations
- Concerned with Speed
- Dijkstra

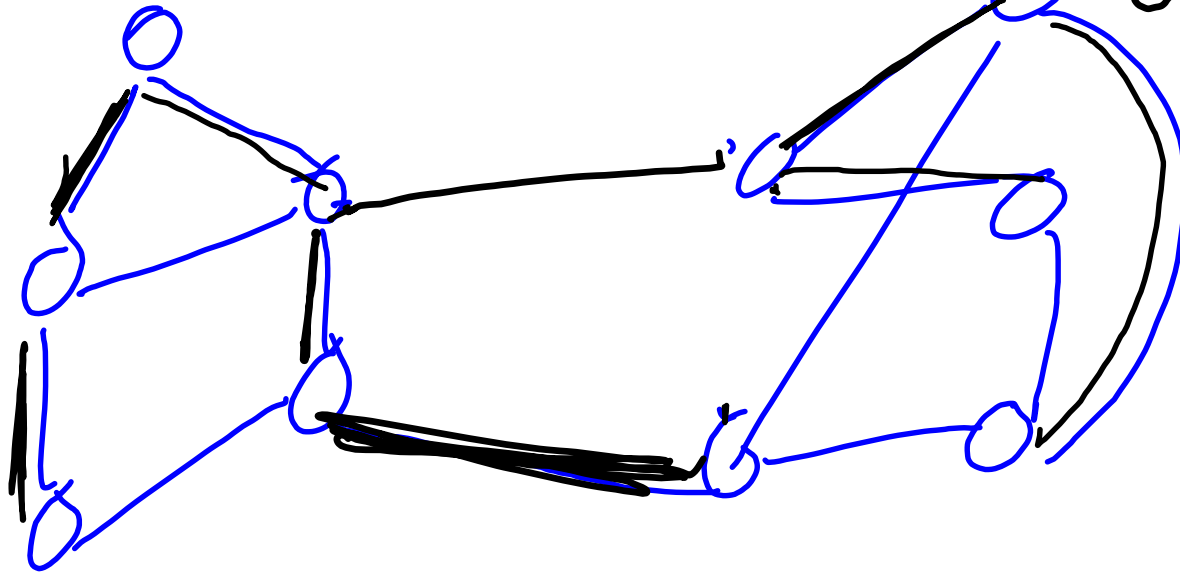
OSPF

- Uses flooding
- hello protocol





- Busy link
- upgrade link
- router congested



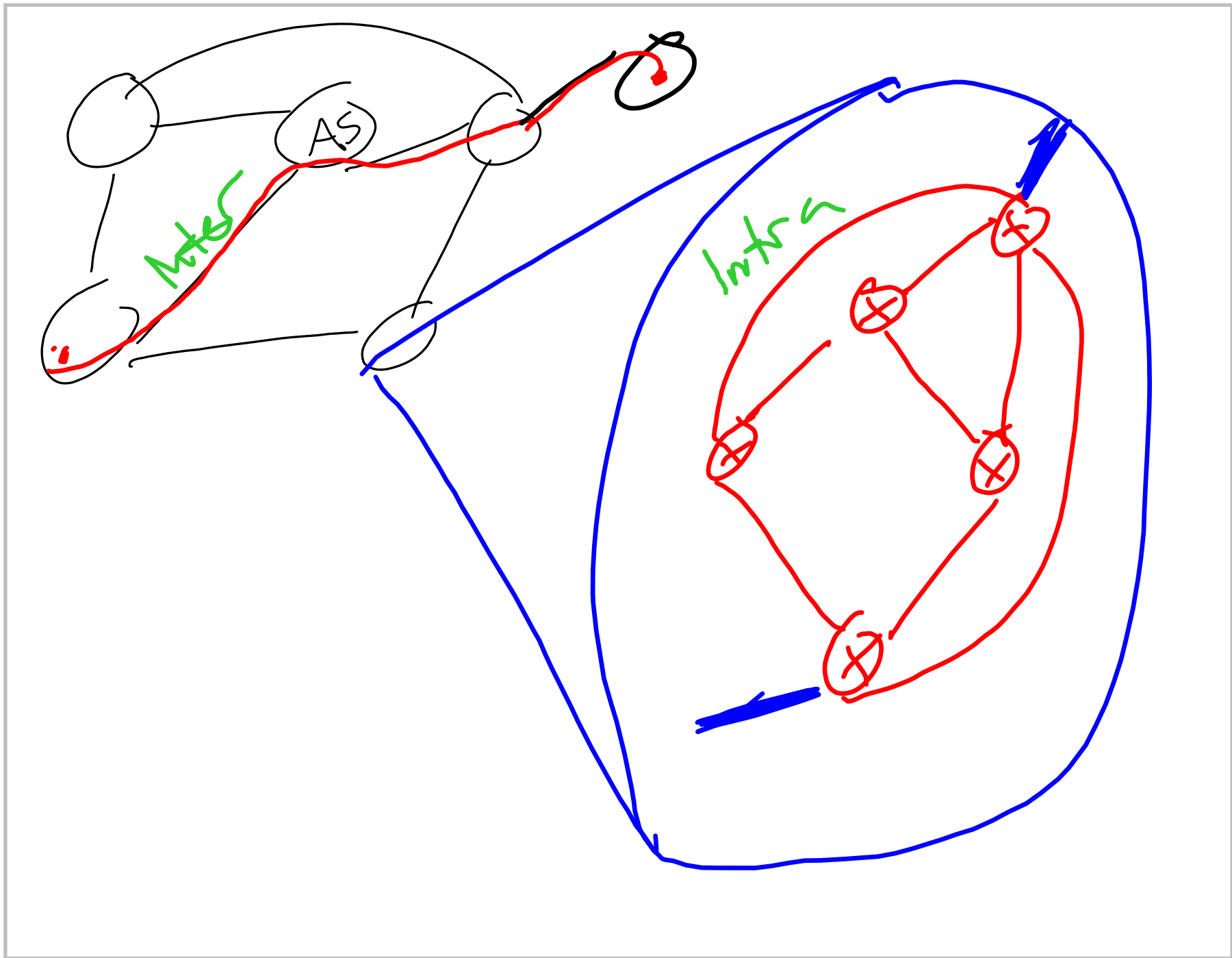
b

Inter-AS Routing

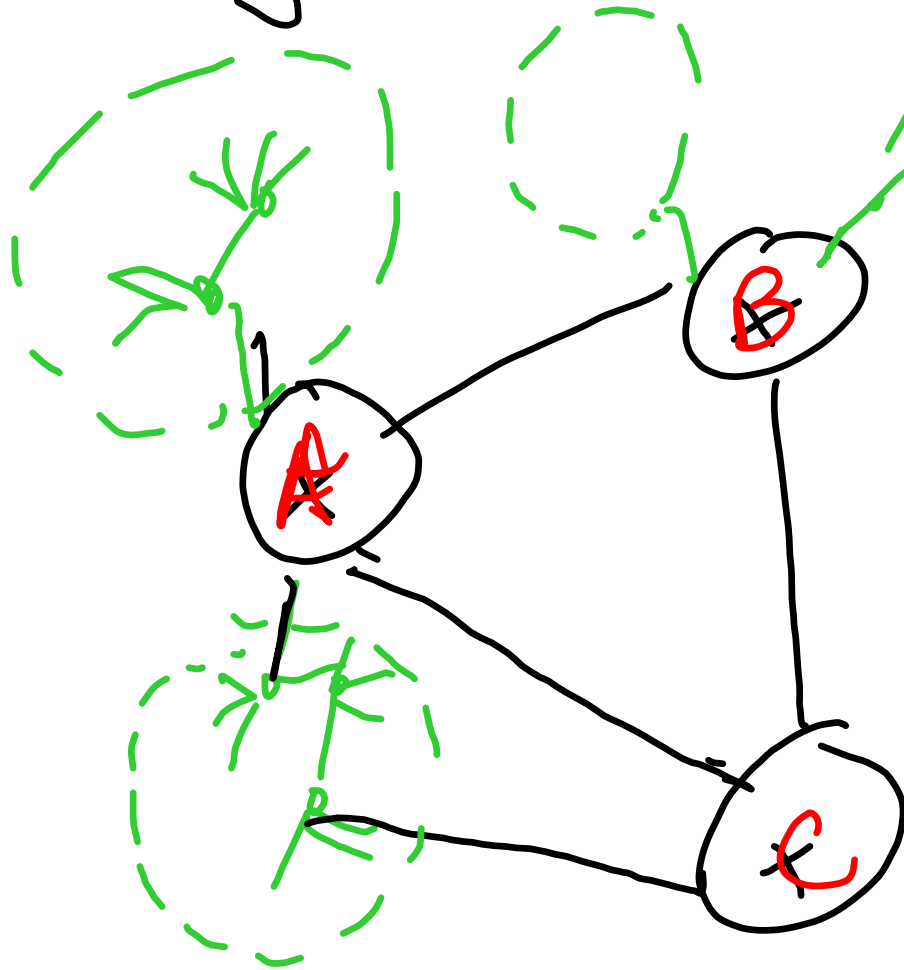
- Between AS's via gateways

+ RIP - Router Info Protocol

+ BGP - Border Gateway Protocol



Adjacent links (inside AS)



A & C are
said to be
adjacent

A, B, C have a
PPP connection

Compare: OSPF, RIP, BGP

- Used for
- how it works
- Complexity
- What is link cost based on?