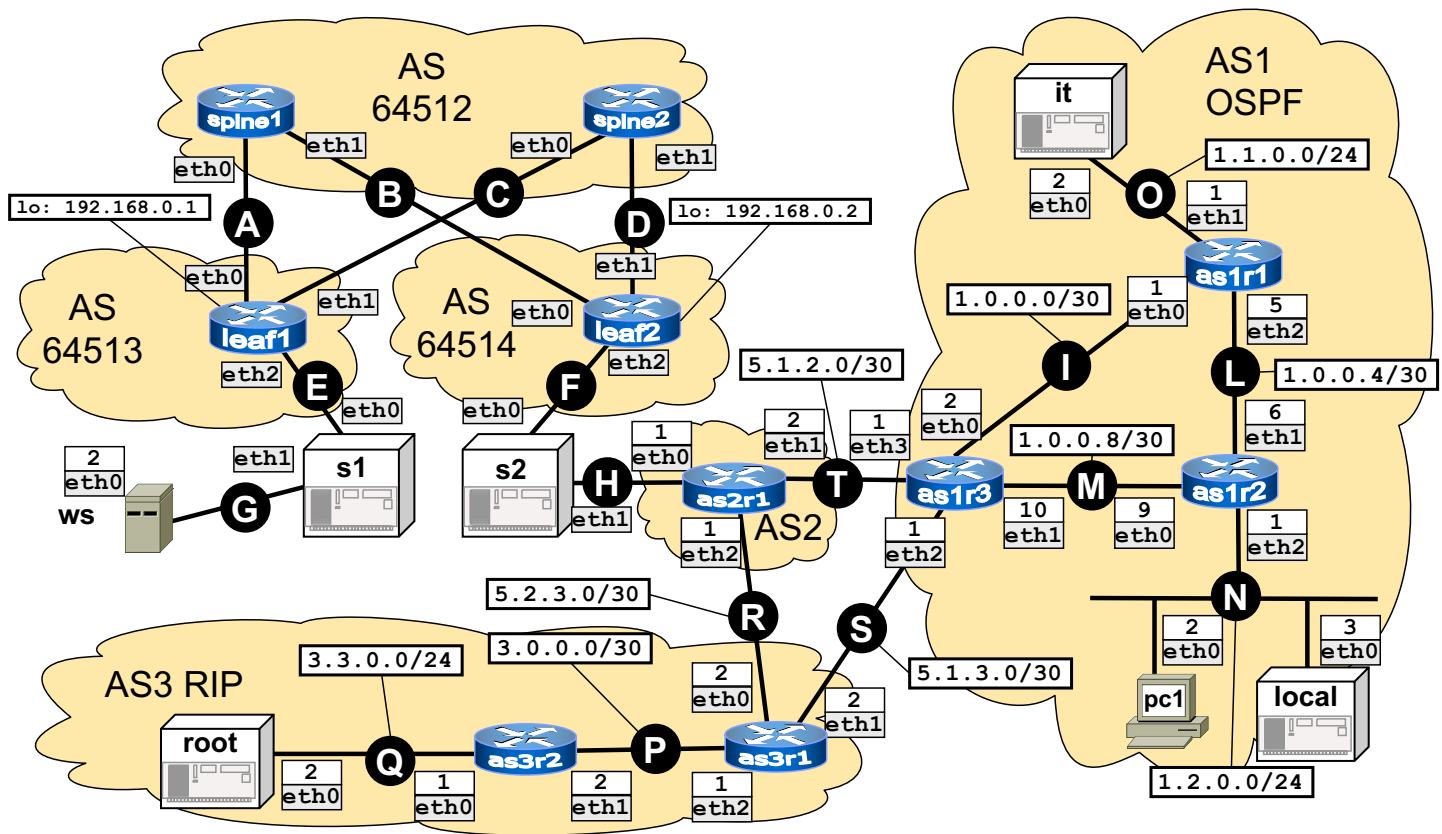


Regole del gioco: 1) Si può accedere a tutto il materiale del corso. 2) Non si può interagire in alcun modo con altri. Se ciò dovesse avvenire sarebbe considerato un fatto gravissimo.



Using Kathará, implement the network depicted in the above figure and described below:

- Do NOT change or alter the machine names or network names in any way.
- The routers belonging to AS64512, AS64513, and AS64514 are a single PoD of a datacenter. Configure the datacenter fabric with IPv6 link-local addresses, and BGP unnumbered peerings.
- Each leaf also acts as a VTEP and uses the loopback address for the VTEPs.
- The datacenter hosts two containers, namely ws and as2r1 that are both owned by the same tenant. This tenant uses VNI: 7100, VLAN: 100, and IP Subnet: 2.0.0.0/24. In the picture the last octet of the IP address is specified.
- AS1, AS2 and AS3 are BGP autonomous systems. AS1 announces 1.0.0.0/8, AS2 announces 2.0.0.0/8 and AS3 announces 3.0.0.0/8. They do NOT announce their internal more specific networks. BGP peering LANs will be announced by any of the peers on that LAN.
- AS3 prefers sending traffic destined to 2.0.0.0/8 via AS1.
- AS1 internally uses OSPF while AS3 internally uses RIP.
- No router has the default network.
- Machine ws is a webserver for uniroma3.it. The DNS hierarchy allows to resolve that name.
- Machine local is the local nameserver of pc1.
- Final goal: pc1 should reach uniroma3.it and should use the webserver.

### Procedura di consegna:

- La directory contenente il lab dovrà chiamarsi (**senza spazi!**) <cognome><nome> (es.: la directory di Giuseppe Francesco Maria Di Battista si chiamerà dibattistagiuseppefrancescomaria)
- Crea un archivio compresso (tar, rar, zip, ....) che contenga la directory sopra citata, chiamandolo con lo stesso nome.
- Consegna il lab, facendo l'upload dell'archivio compresso, su moodle (<https://ingegneria.el.uniroma3.it/>).