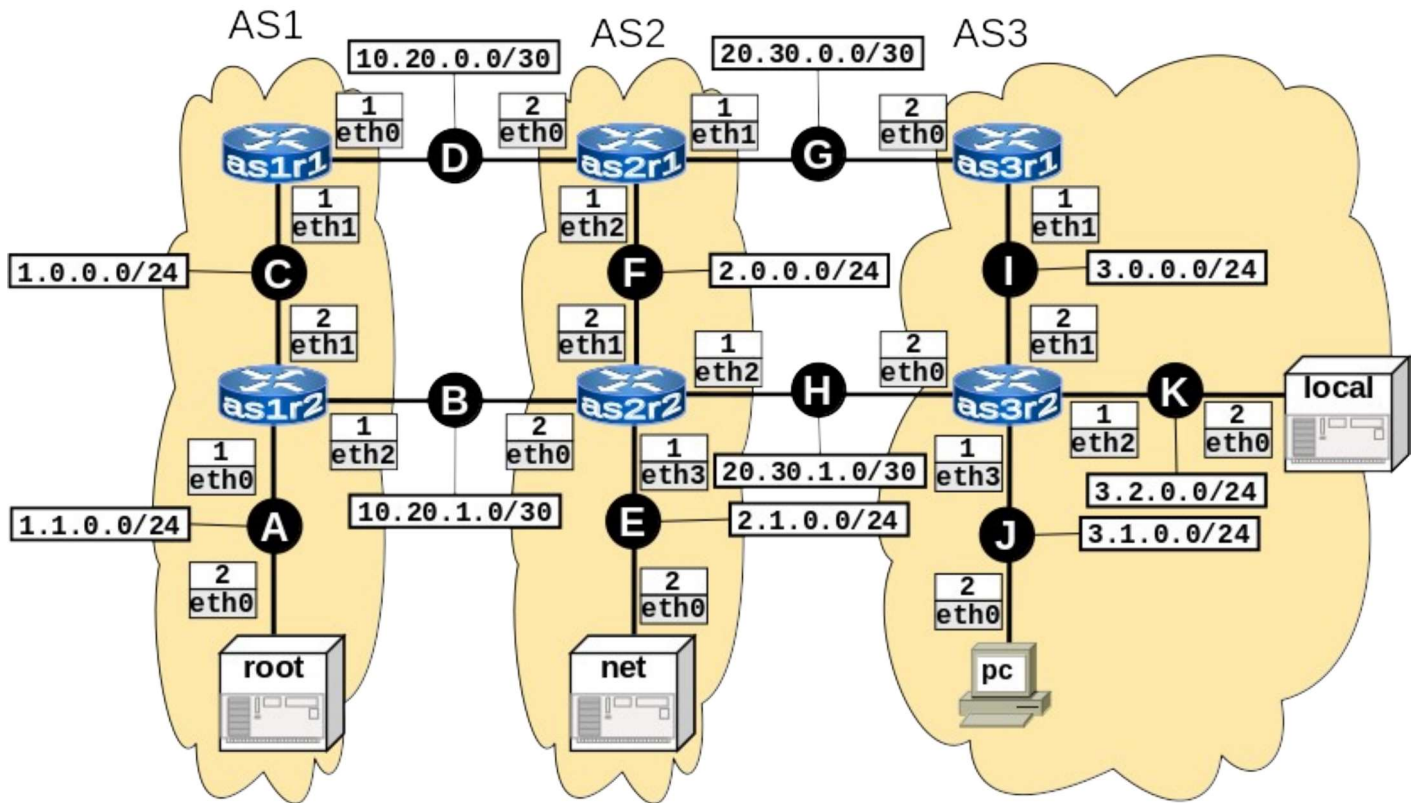


Regole del gioco: 1) Si può accedere a tutto il materiale del corso. 2) Non si può interagire in alcun modo con altri. Se ciò dovesse avvenire sarebbe considerato un fatto gravissimo.



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

- o Inside each AS, RIP is used as IGP. Among ASes, BGP is used as EGP.
- o Border routers of the same AS always have an iBGP peering (using the IP addresses of the shared link).
- o AS1 announces 1.0.0.0/8; AS2 announces 2.0.0.0/8; AS3 announces 3.0.0.0/8.
- o All BGP speaking routers announce their external peering prefixes and inject BGP into RIP.
- o No default route is used by any router.
- o BGP Policies:
  - AS1 prefers to receive traffic from link B
  - AS3 prefers to receive traffic from link G
- o DNS configuration
  - Host “root” is the root dns server
  - Host “net” is the authoritative name server for “net.” domain
  - All devices in the network elect host “local” as their DNS resolver
  - Host “pc” is reachable from any device in the network with the name “pc.net”

### 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/>).