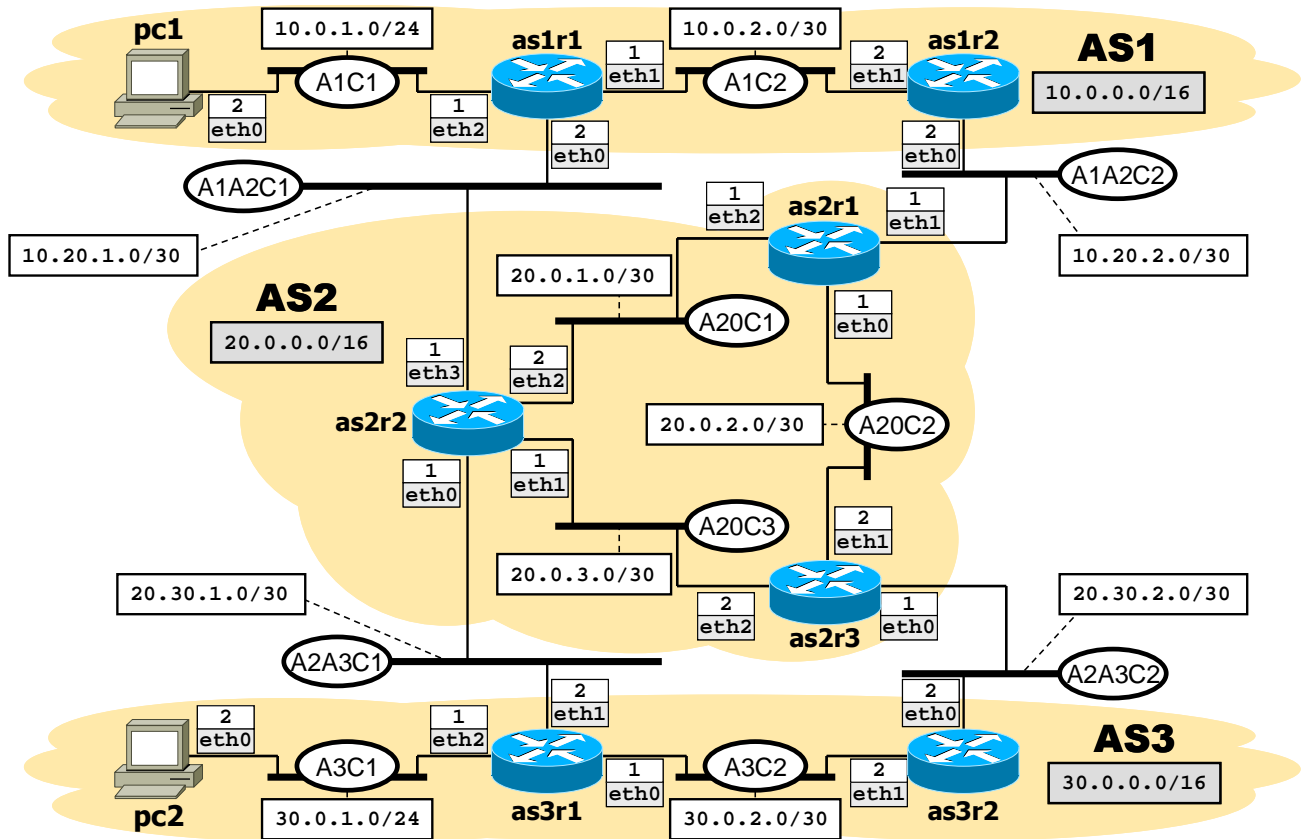


ICN – Examination date: 10-12-2012 – Round 2 – “Sandwich”
Available time: 100 minutes.



Using Netkit, implement the network depicted in the following figure.



- All the internal networks (in grey) of the ASes must be visible by all BGP routers.
- All the internal networks of the ASes must be reachable from any network nodes.
- Inter-AS peering subnets must be announced in BGP as well.
- No router announces 0/0.
- By altering solely the configuration of as3r2, implement the following routing policy:
 - Traffic from **AS3** to **AS2** should favour using link **A2A3C2**.
 - Traffic from **AS2** to **AS3** should favour using link **A2A3C1**.