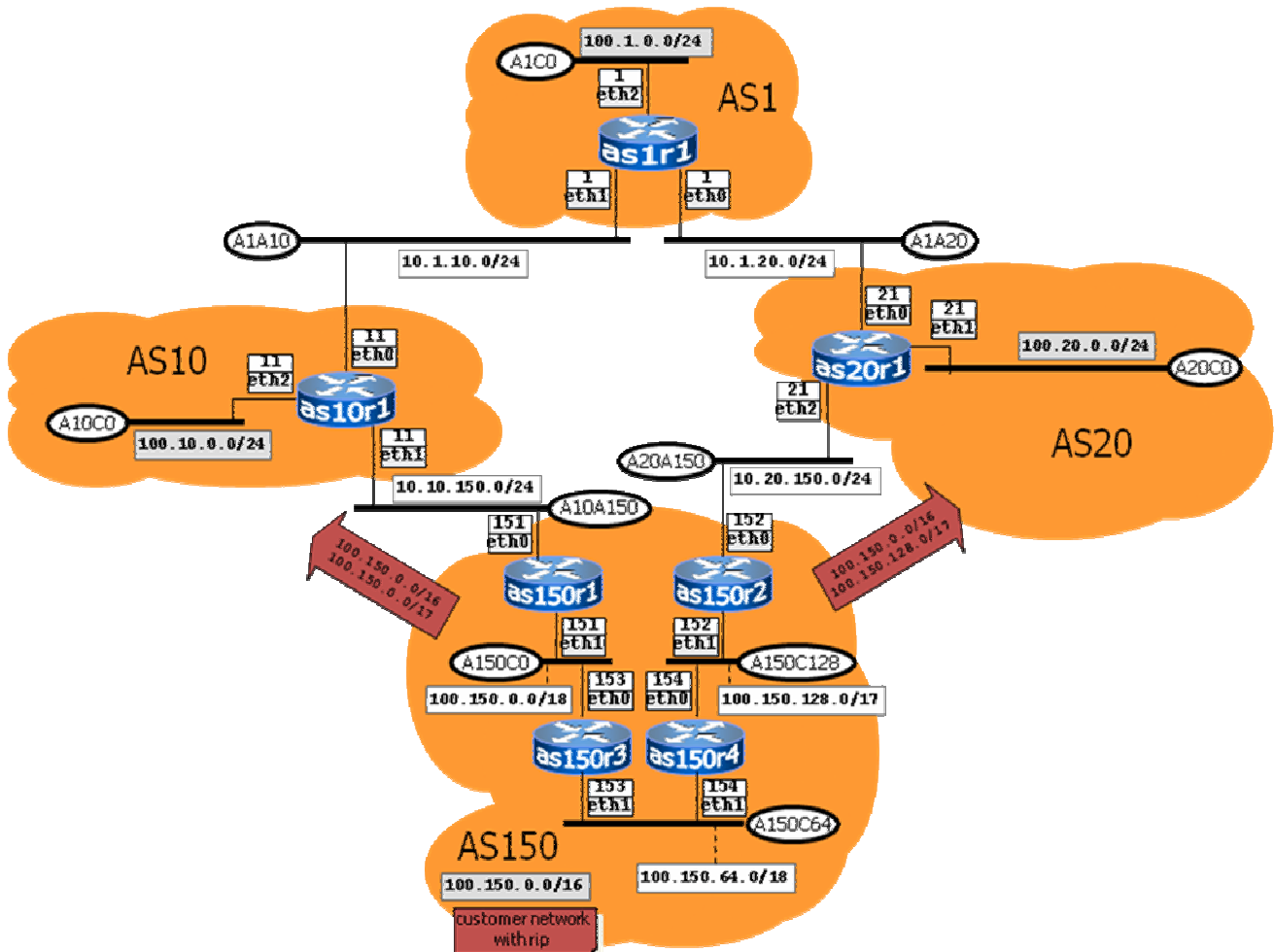




ICN – Examination date: 18-01-2012 – “Kite”  
Available time: 70 minutes

Using Netkit, implement the network shown in the following picture. You can arbitrarily choose whether or not to announce in BGP the networks used to interconnect border routers. All the networks that are internal to the autonomous systems must be reachable from the internal network of any other autonomous system.



Additional requirements:

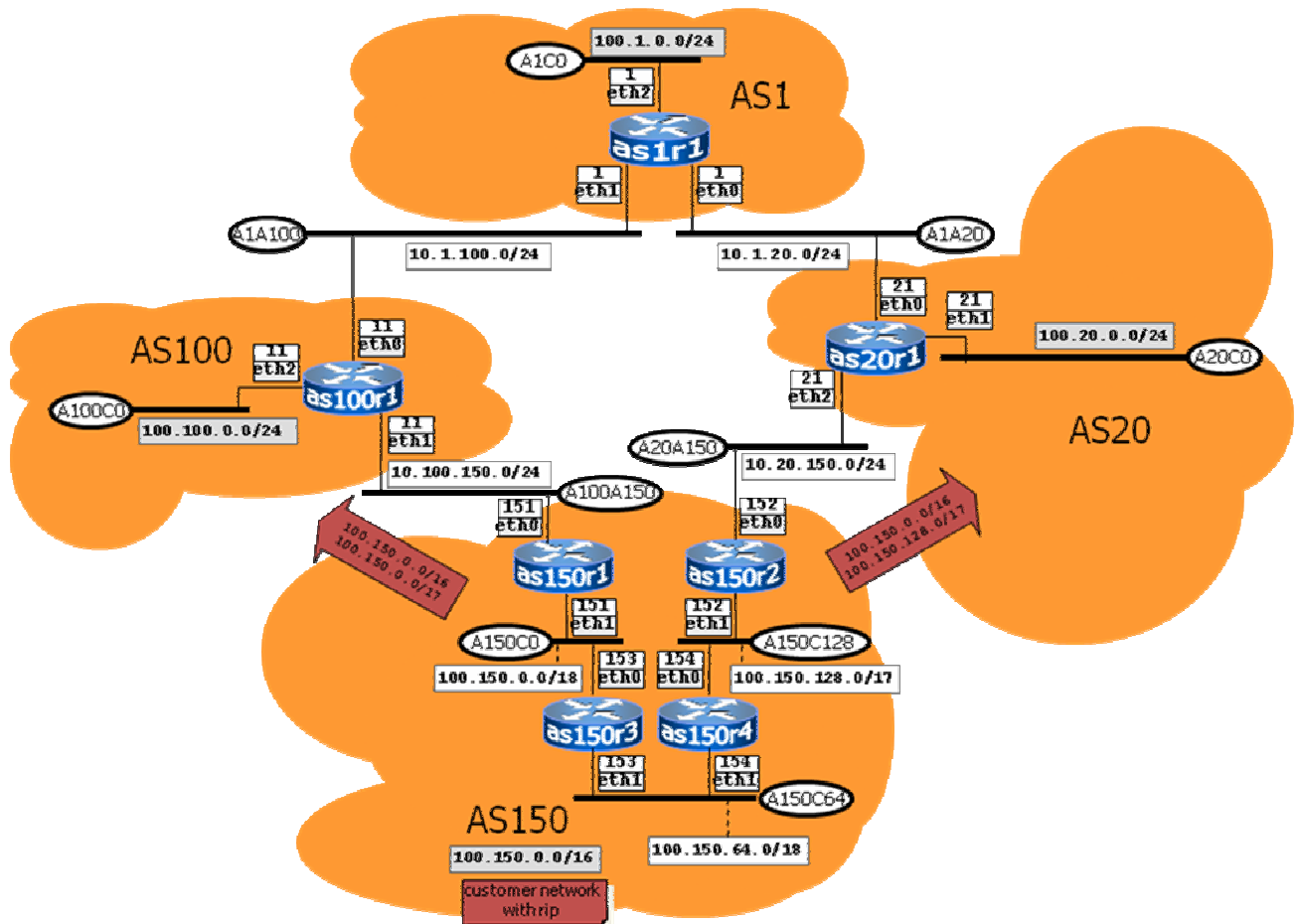
1. There is no I-BGP peering between `as150r1` and `as150r2`.
2. Routers `as150r1` and `as150r2` announce to their neighbors the networks indicated within the arrows.
3. Routers `as150r1` and `as150r2` redistribute BGP into RIP.
4. No router announces 0/0. This holds for both RIP and BGP.



ICN – Examination date: 18-01-2012 – “Popeye”

Available time: 70 minutes

Using Netkit, implement the network shown in the following picture. You can arbitrarily choose whether or not to announce in BGP the networks used to interconnect border routers. All the networks that are internal to the autonomous systems must be reachable from the internal network of any other autonomous system.



Additional requirements:

1. There is no I-BGP peering between **as150r1** and **as150r2**.
2. Routers **as150r1** and **as150r2** announce to their neighbors the networks indicated within the arrows.
3. Routers **as150r1** and **as150r2** redistribute BGP into RIP.
4. No router announces 0/0. This holds for both RIP and BGP.