



Using Netkit, implement the network depicted in the figure and described below.

- Routers of the same AS run RIP protocol (exclusively within their AS but redistributing connected LANs and BGP).
- All routers run BGP.
 - o No router announces the default route (0.0.0.0/0).
 - o Each router only originates AS LANs and peering LANs.
 - o BGP policies are as follows:
 - AS1 prefers to receive traffic from link B rather than from link C
 - AS2 prefers to receive traffic from link F rather than from link E
 - AS3 prefers to receive traffic from link H rather than from link I

Goals:

Every IP address in the network must be reachable from any router.

The traffic generated by as4r2 and directed to 1.0.0.2 traverses links J, H, G, F, D, B, A.