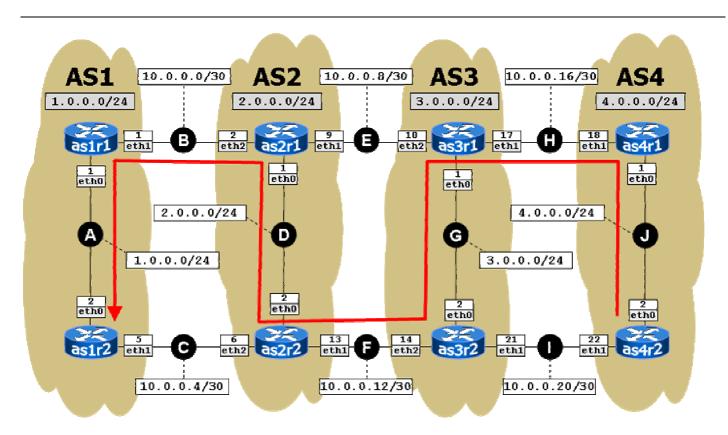
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Using Netkit, implement the network depicted in the figure and described below.

- Routers of the same AS run RIP protocol (exclusively within their AS but redistributing connected LANs and BGP).
 All routers run BGP.
 - No router annouces the default route (**0.0.0/0**).
 - Each router only originates AS LANs and peering LANs.
 - 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.