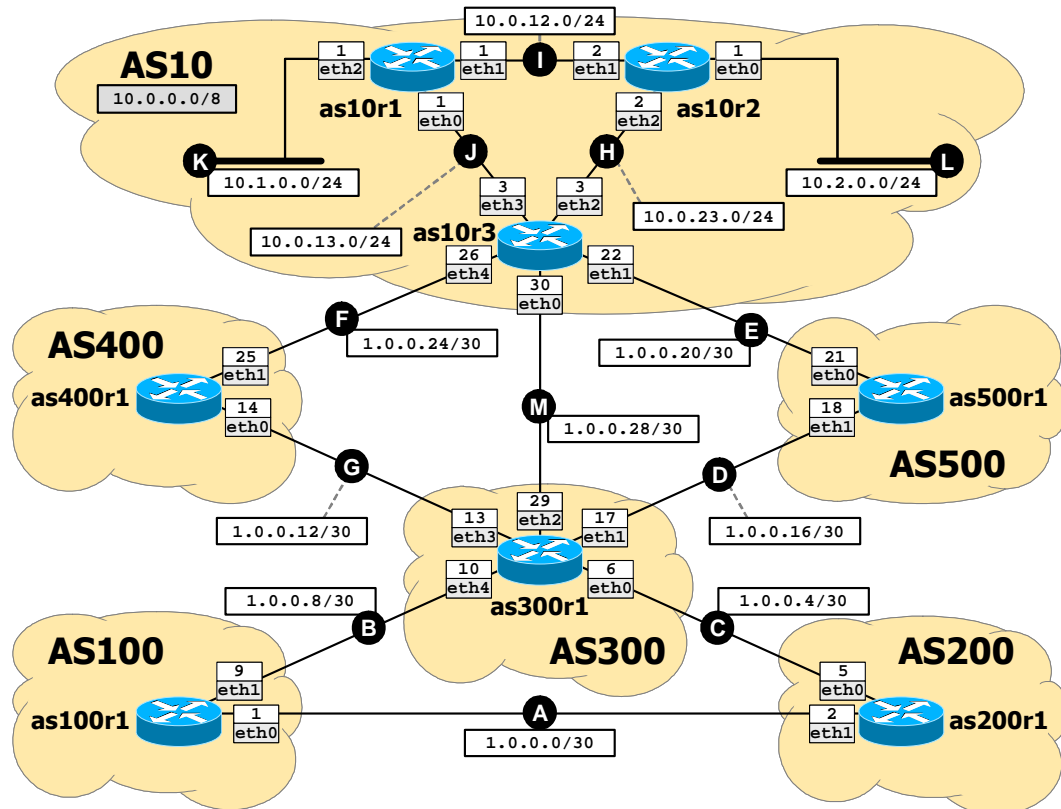




Available time: 120 minutes.



Using Netkit, implement the network shown in the figure and described below (you can use the following items as a checklist).

- ☐ Routers in AS10 use the RIP protocol.
- ☐ All peering LANs are announced in BGP.
- ☐ BGP routers in AS10 also announce the aggregate network 10.0.0.0/8.
- ☐ No routers announce 0.0.0.0/0 or apply customer-provider policies.
- ☐ as100r1 applies filters in such a way to **avoid** sending traffic to AS10 through link B.
- ☐ as200r1, as300r1, as400r1, and as500r1 prefer sending traffic to 10.1.0.0/24 and 10.2.0.0/24 along the paths depicted in Figure 1.

#### Goals:

- All routers must be able to reach any destinations.
- as100r1 must reach AS10's networks K and L using the specified paths.

