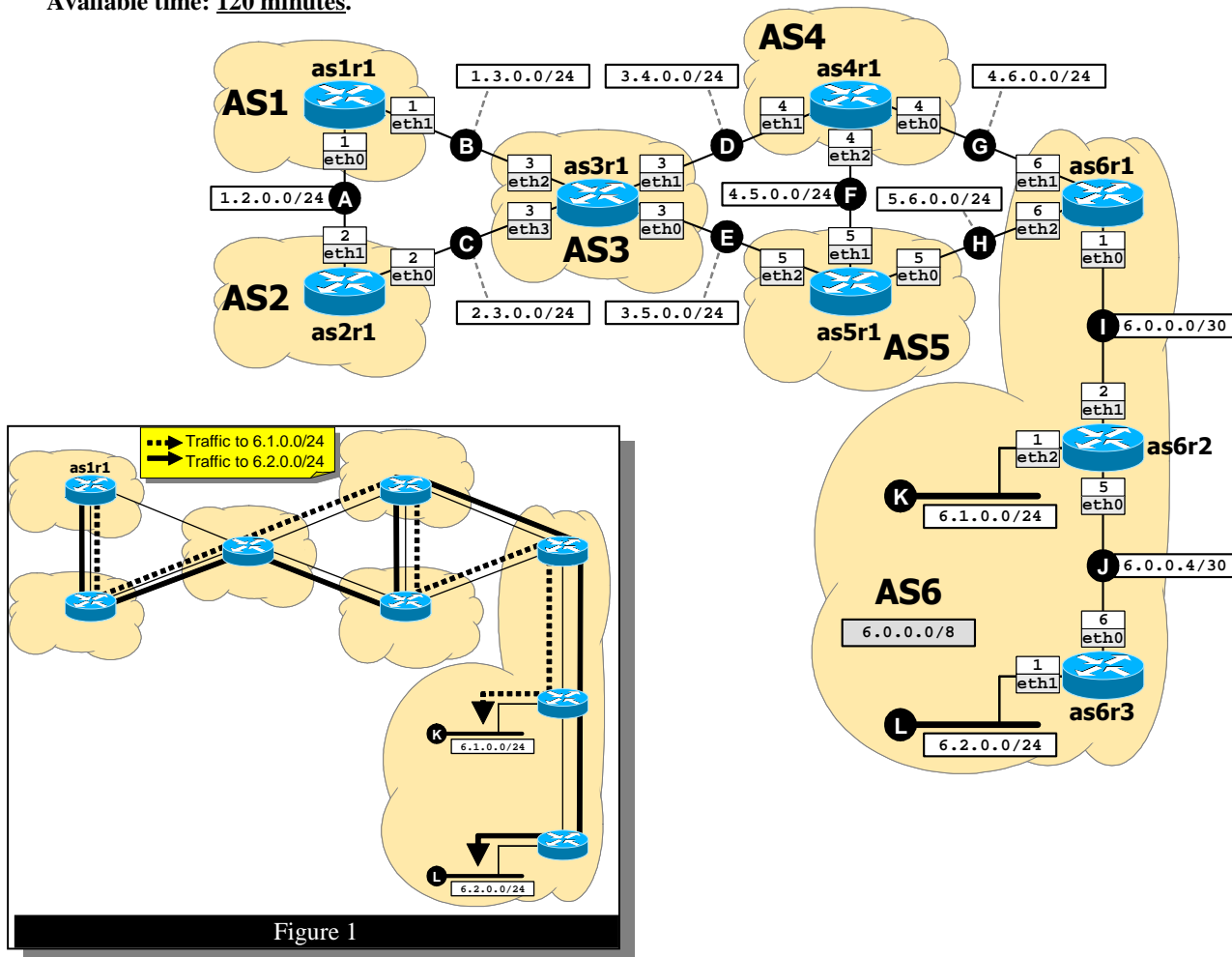




Available time: 120 minutes.



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

- ☐ Routers in AS6 use the RIP protocol.
- ☐ All peering LANs are announced in BGP.
- ☐ BGP routers in AS6 also announce the aggregate network 6.0.0.0/8.
- ☐ No routers announce 0.0.0.0/0 or apply customer-provider policies.
- ☐ as1r1 applies filters in such a way to **avoid** sending traffic to AS6 through link B.
- ☐ as2r1, as3r1, as4r1, and as5r1 prefer sending traffic to 6.1.0.0/24 and 6.2.0.0/24 along the paths depicted in Figure 1.

Goals:

- All routers must be able to reach any destinations.
- as1r1 must reach AS6's networks K and L using the specified paths.