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

☐ All routers run BGP.
  o No routers annouce the default route (**0.0.0.0/0**).
  o Each router only announces the peering LANs.
  o No routers have internal subnets.

☐ BGP routers in each autonomous system are set up in order to force traffic to traverse the ring clockwise: **AS1** prefers announcements coming from **AS2**, and so on.

Goals:

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

The traffic generated inside each autonomous system must traverse the network clockwise. For example, traffic generated inside **AS4** must pass through **AS5**, **AS6**, **AS7**, **AS8**, **AS1**, **AS2**, and **AS3** (of course, directly connected networks are always reached via the attached interface).