- Disable automatic neighbor activation prior to BGP configuration
- Configure BGP peering between directly connected interfaces when possible. iBGP peering should be configured using loopback interfaces.
- Configure ASN 200 with full-mesh iBGP peering
- Configure every router to advertise its directly connected networks. Redistribution is allowed only in ASN 200
- Confirm that R4 can reach all external loopbacks using the shortest AS Path
- Configure AS-Path prepending on R8 so that the Loopback interfaces contain ASN 456, 7889, 123 when advertised to R6
- Configure R7 so that the Loopback interfaces contain ASN 800, 900, 1000 when advertised to R5
- Configure ASN 200 peripheral routers to summarize R7, R8, and R9's loopback prefixes into /16, /24, and / 16 respectively. Prepended ASNs should still be visible within the summarized routes.

BGP

