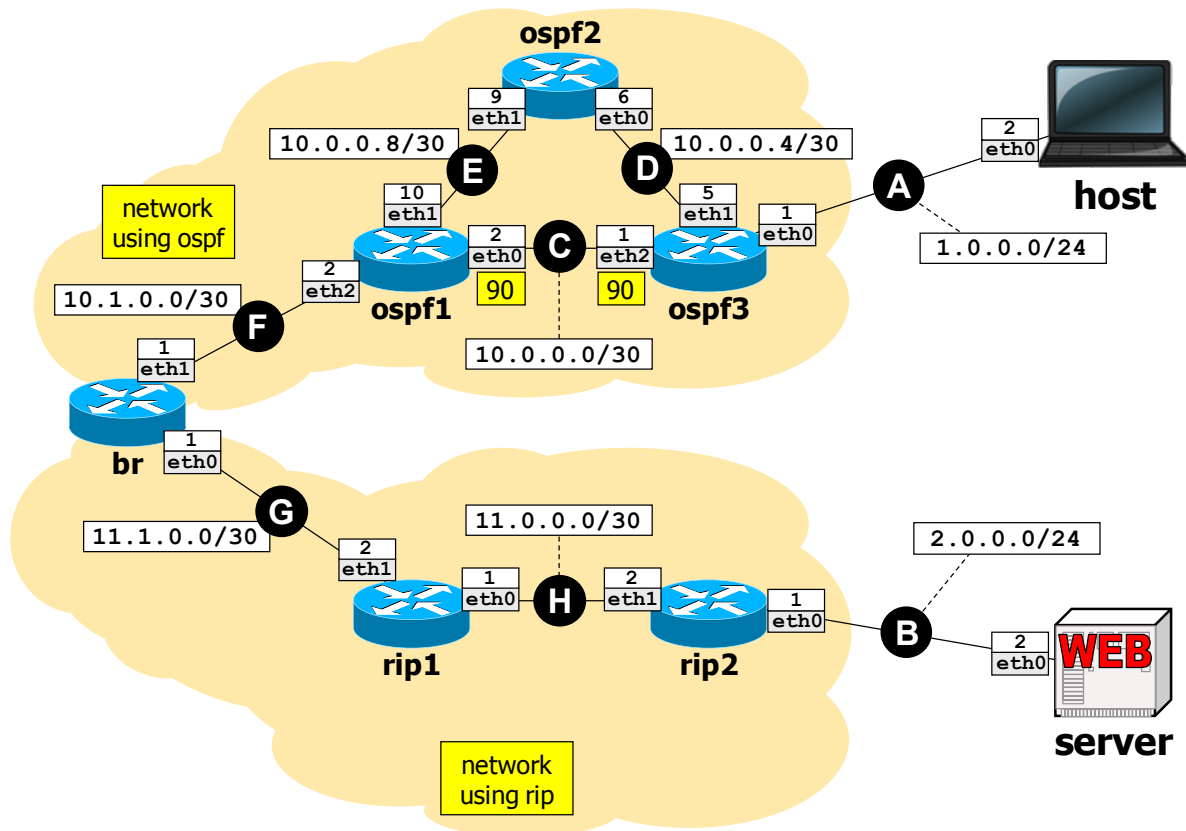




Available time: 60 minutes.



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

- The network consists of two zones (indicated by clouds in the figure) where OSPF and RIP are used as routing protocols, respectively.
- OSPF routers are set up as follows:
  - all OSPF-speaking interfaces belong to area 0.0.0.0.
  - OSPF-speaking interfaces are assigned the specified costs (the default cost is assumed where omitted).
- Router **br** is placed across the two zones and performs the following operations:
  - on the OSPF side, it redistributes all routes learned by RIP;
  - on the RIP side, it does not redistribute any routes: instead, it statically announces only routes 1.0.0.0/24 and 10.0.0.0/8.
- Node **server** runs a Web server implemented using apache, which serves a default Web page available at <http://2.0.0.2/>.

**Goal:** Node **host** must be able to access the Web page available at <http://2.0.0.2/>. Moreover, verify that the routing path computed between **host** and **server** uses links **E** and **D** in both directions.