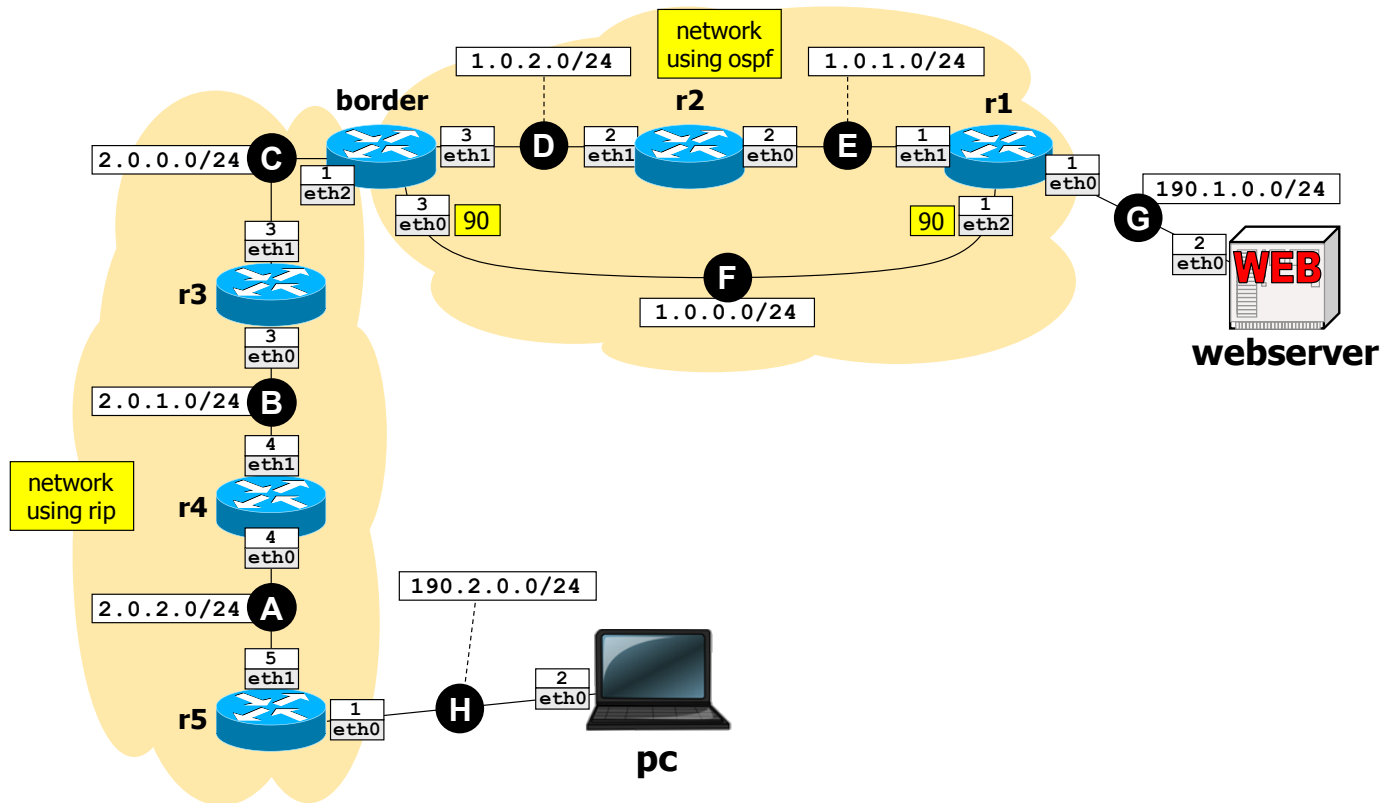


Available time: **60 minutes**.



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 RIP and OSPF 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 **border** 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 190.1.0.0/24 and 1.0.0.0/16.
- Node **webserver** runs a Web server implemented using apache, which serves a default Web page available at <http://190.1.0.2/>.

Goal: Node **pc** must be able to access the Web page available at <http://190.1.0.2/>. Moreover, verify that the routing path computed between **pc** and **webserver** uses links **D** and **E** in both directions.