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

- Routing in this network is to be implemented statically (remember to set a default route on all the machines that are internal to each LAN).
- **ns-root**, **ns-test**, and **ns-local** are name servers:
  - **ns-root** is the root name server;
  - **ns-test** is the authority for **test**;
  - **ns-local** is a local name server that serves requests from machines within **10.0.0.0/24**.
- **web1** and **web2** are Web servers that run apache2:
  - both servers are assigned the DNS name **server.test**; a suitable DNS-based policy is set up to dispatch web page requests to **web1** and **web2** in a balanced way; in order to implement such policy, add to the applicable name servers two records with type **A** for the same name **server.test** and with the IP addresses of the two servers;
  - both servers offer a single web page **http://server.test/~guest/prova.html**. which can have arbitrary contents.

**Goal**: **client** must be able to access the Web page exposed by user guest on **server.test** by using **links**. Moreover, it must be verified that the Web page is alternately served by each one of the two Web servers (this may require restarting **links**).
Using Netkit, implement the network shown in the figure and described below.

- Routing in this network is to be implemented statically (remember to set a default route on all the machines that are internal to each LAN).
- dns1, dns2, and dns3 are name servers:
  - dns1 is a local name server that serves requests from machines within 10.0.0.0/24;
  - dns2 is the authority for info;
  - dns3 is the root name server.
- www1 and www2 are Web servers that run apache2:
  - both servers are assigned the DNS name server.info, a suitable DNS-based policy is set up to dispatch web page requests to www1 and www2 in a balanced way; in order to implement such policy, add to the applicable name servers two records with type A for the same name server.info and with the IP addresses of the two servers;
  - both servers offer a single web page http://server.info/~guest/prova.html, which can have arbitrary contents.

**Goal**: user must be able to access the Web page exposed by user guest on server.info by using links. Moreover, it must be verified that the Web page is alternately served by each one of the two Web servers (this may require restarting links).
Using Netkit, implement the network shown in the figure and described below.

- Routing in this network is to be implemented statically (remember to set a default route on all the machines that are internal to each LAN).
- **ns1**, **ns2**, and **ns3** are name servers:
  - **ns1** is a local name server that serves requests from machines within **100.0.0.0/24**;
  - **ns2** is the authority for **name**;
  - **ns3** is the root name server.
- **server1** and **server2** are Web servers that run apache2:
  - both servers are assigned the DNS name **server.name**; a suitable DNS-based policy is set up to dispatch web page requests to **server1** and **server2** in a balanced way; in order to implement such policy, add to the applicable name servers two records with type **A** for the same name **server.name** and with the IP addresses of the two servers;
  - both servers offer a single web page **http://server.name/~guest/prova.html**, which can have arbitrary contents.

**Goal**: **pc** must be able to access the Web page exposed by user guest on **server.name** by using **links**. Moreover, it must be verified that the Web page is alternately served by each one of the two Web servers (this may require restarting **links**).
Using Netkit, implement the network shown in the figure and described below.

- Routing in this network is to be implemented statically (remember to set a default route on all the machines that are internal to each LAN).
- **dns**, **ns1**, and **ns2** are name servers:
  - **ns1** is the root name server;
  - **ns2** is the authority for **org**;
  - **dns** is a local name server that serves requests from machines within **1.0.0.0/24**.
- **www1** and **www2** are Web servers that run apache2:
  - both servers are assigned the DNS name **server.org**; a suitable DNS-based policy is set up to dispatch web page requests to **www1** and **www2** in a balanced way; in order to implement such policy, add to the applicable name servers two records with type **A** for the same name **server.org** and with the IP addresses of the two servers;
  - both servers offer a single web page **http://server.org/~guest/prova.html** which can have arbitrary contents.

**Goal:** **user** must be able to access the Web page exposed by user guest on **server.org** by using **links**. Moreover, it must be verified that the Web page is alternately served by each one of the two Web servers (this may require restarting **links**).