Faculty of Engineering and Technology

Electrical and Computer Engineering Department
TO DO #1 – Subnetting & Static Routing

NOTE: X represents the last 2 digits of your students ID.

Question: Given the following network address, 198.X.19.24/29 . Do the following:

1- Add a new router, switch and PC to the topology of EXP#2 that you have done, you are free to add it next to any existing router.
2- The PC IP is the second valid IP address.
3- Complete the following table:

First allowed IP	198.53.19.25
Last allowed IP	198.53.19.30
Broadcast IP	198.53.19.31
# of hosts	6 hosts

4- Complete the static routing for the new added network, check the connectivity of this new network!

the connectivity of this network has been tested by pinging all PCs