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| Faculty of Engineering and Technology |
| Electrical and Computer Engineering Department  TO DO #1 – Subnetting |

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

Question: Given the following IP address 197.X.2.67, the subnet Mask is 255.255.255.192. Do the following:

1. Add 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 given 197.X.2.67, as well as the subnet mask.
3. Complete the following table:

|  |  |
| --- | --- |
| Network ID |  |
| Broadcast IP |  |
| First allowed IP |  |
| Last allowed IP |  |
| # of hosts |  |

1. Complete the static routing, check the connectivity of this new network! **(You should add the screenshots of pings that you have done)**