1. Determine the Internet addresses that describe each of the 3 subnets using FLSM
2. Determine the Internet addresses that describe each of the 3 subnets using VLSM.

* You must present the following information for each one of the 3 assigned subnets in the two scenarios (6 in total):

1. Network address
2. First usable address of the subnet
3. Last usable address of the subnet
4. Broadcast address for the subnet
5. Prefix length
6. Subnet mask

* You may consult the example that is provided under this Week’s materials. Please explain any assumptions or calculations you made to arrive to your final solution.

**Guideline on weekly Discussion:**

* Please present one table for FLSM and one table for VLSM using the following format, this will help everyone to read your calculations:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Subnet # | Prefix Length | Subnet Mask | # Required Hosts | Max # of Hosts | Network Address | First Address | Last Address | Broadcast Address |

Here is the address assigned to me with the subnets below:

|  |  |  |  |
| --- | --- | --- | --- |
| Address Block | Size of subnet | Size of subnet | Size of subnet |
| **172.26.12.0/22** | 120 | 50 | 2 |

it should look like this example

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Subnet | Prefix length | Subnet mask | Required hosts | Maximum hosts | Network address | First address | Last Address | Broadcast address |
| SN1 | 2 | 25 | 255.255.255.128 | 80 | 126 | 172.19.108.0 | 172.19.108.1 | 172.19.108.254 | 172.19.108.255 |
| SN2 | 3 | 26 | 255.255.255.192 | 40 | 62 | 172.19.109.0 | 172.19.109.1 | 172.19.109.62 | 172.19.109.63 |
| SN3 | 1 | 30 | 255.255.255.252 | 2 | 2 | 172.19.109.64 | 172.19.109.65 | 172.19.109.66 | 172.19.109.67 |