Network Layer exercises

## 2/ IP address classes

* 192.18.97.39 -> Class C / 256 -2 = 254 addresses
* 138.96.64.15 -> Class B / 2^16 - 2 = 65 534 addresses
* 18.181.0.31- > Class A / 2^24 - 2 = 17 M
* 226.192.60.40 -> Class D /

## 5/Subnets and routings

Address/mask Next hop

135.46.56.0/22 Interface 0

135.46.60.0/22 Interface 1

192.53.40.0/23 Router 1

Default Router 2

IP :

135.46.63.10 -> Interface 1

135.46.57.14 -> Interface 0

135.46.52.2 -> … so Router 2

192.53.40.7 -> Router 1

192.53.56.7 -> … so Router 2

E.g :

135.46.63.10

135.46.0011 1111.0000 1010

\*

135.46.1111 1100.0000 0000

=

135.46.0011 1100.0000 0000

135.46.60.0