

## Level 1 :

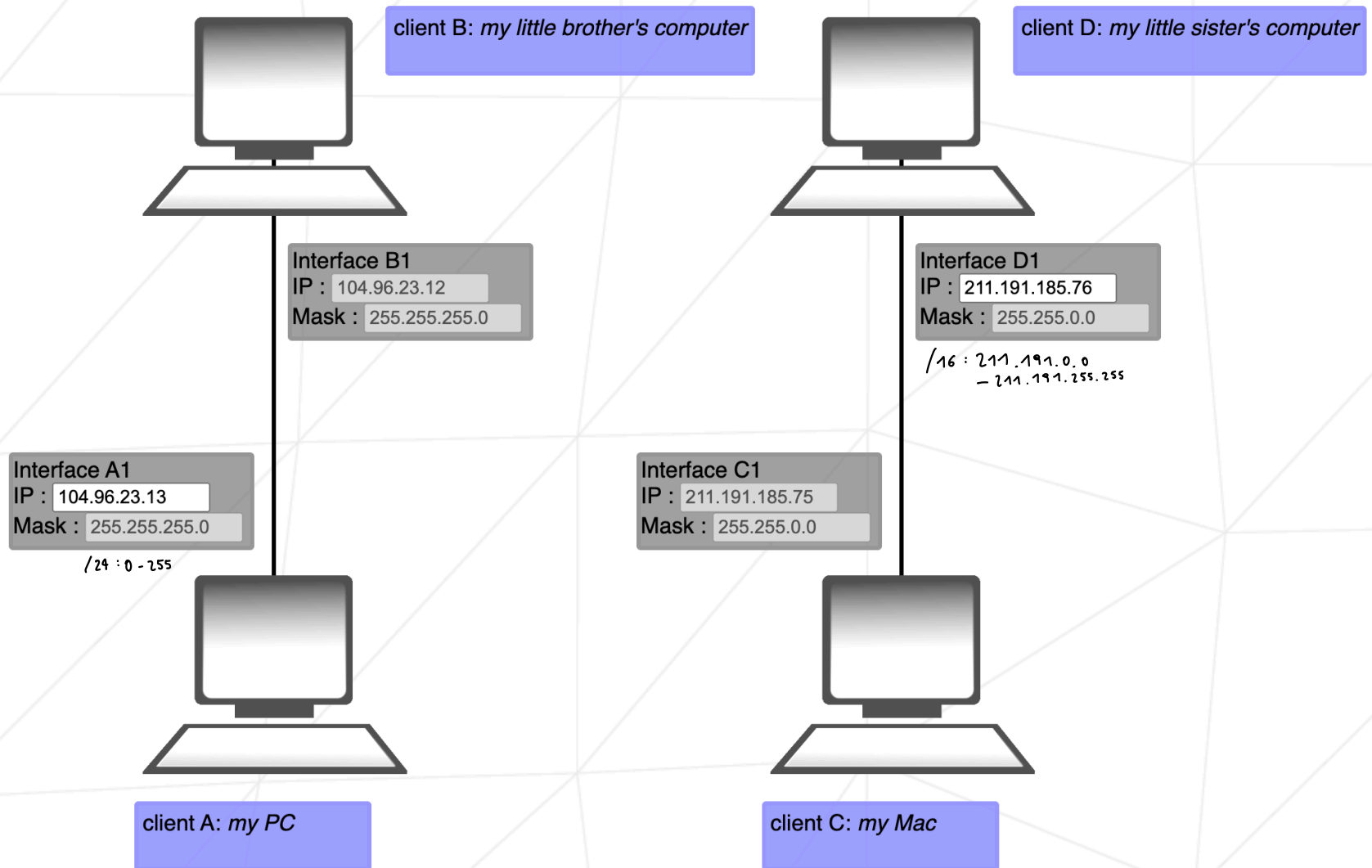
Goal 1 : *my PC* need to communicate with *my little brother's computer* - Status : OK - Congratulations !!

Goal 2 : *my Mac* need to communicate with *my little sister's computer* - Status : OK - Congratulations !!

Check again

Get my config

Next level



## Level 2 :

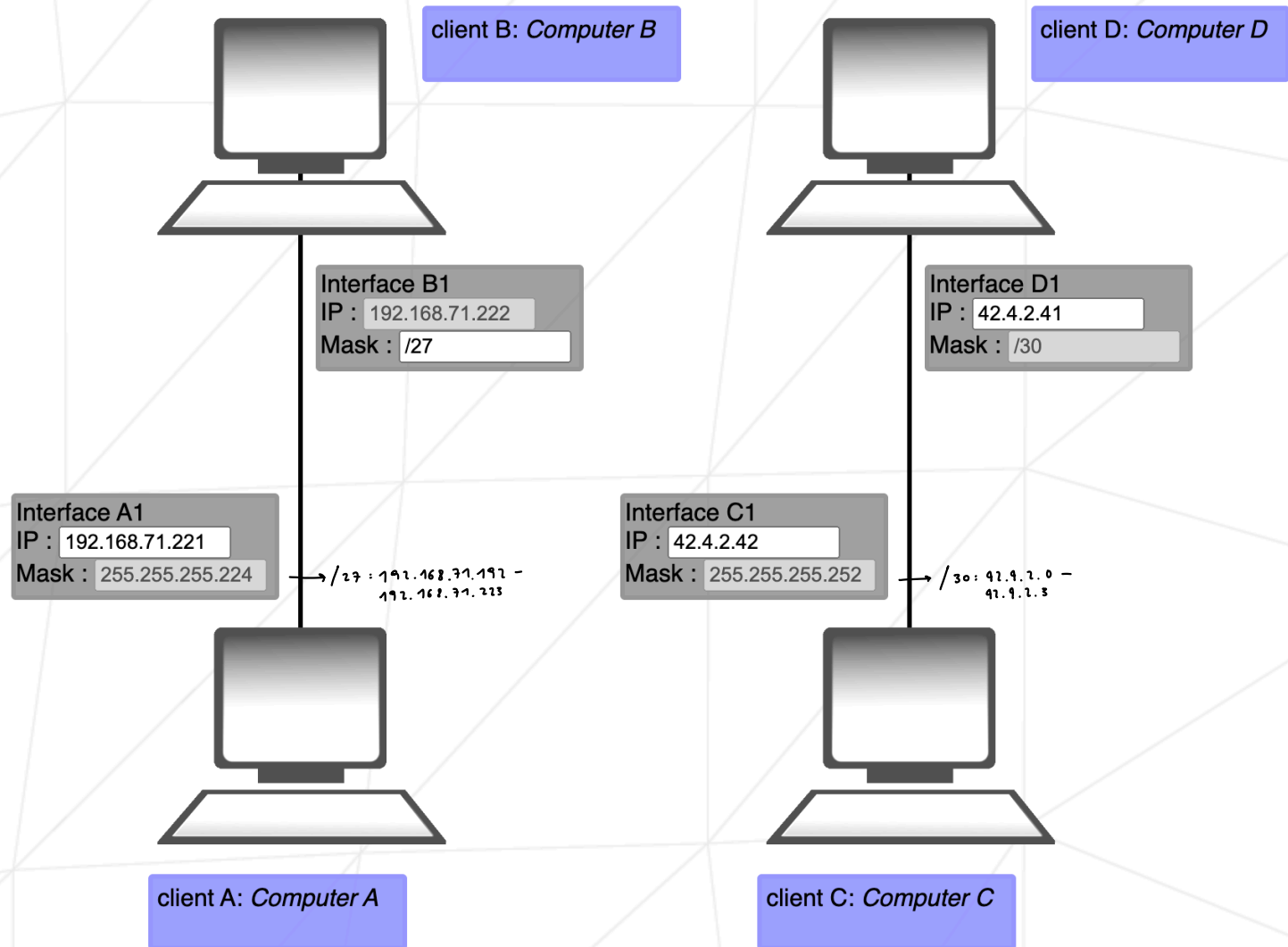
Goal 1 : *Computer B* need to communicate with *Computer A* - Status : OK - Congratulations !!

Goal 1 : *Computer D* need to communicate with *Computer C* - Status : OK - Congratulations !!

Check again

Get my config

Next level



### Level 3 :

Goal 1 : *Host A* need to communicate with *Host B* - Status : OK - Congratulations !!

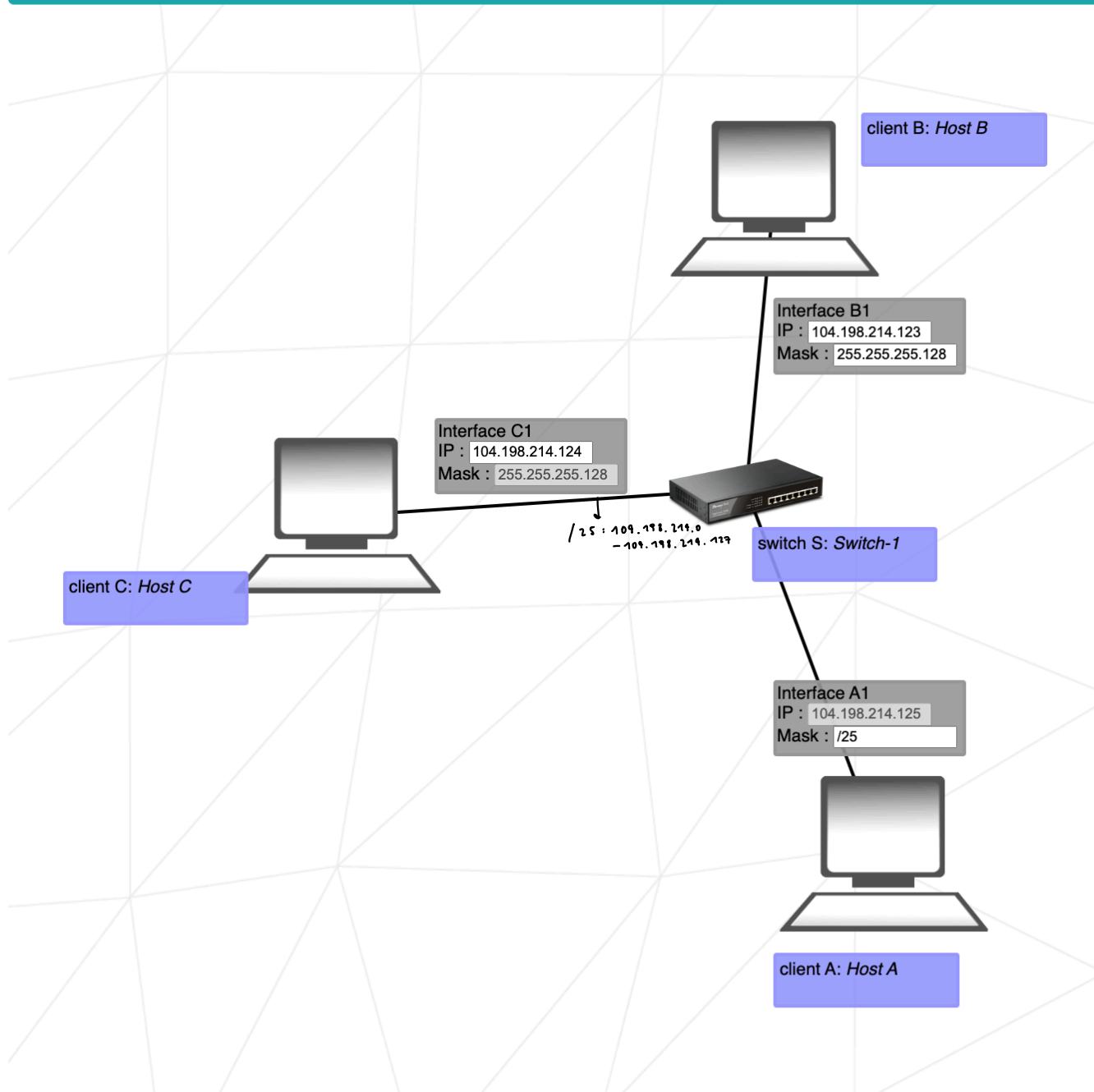
Goal 2 : *Host A* need to communicate with *Host C* - Status : OK - Congratulations !!

Goal 3 : *Host B* need to communicate with *Host C* - Status : OK - Congratulations !!

[Check again](#)

[Get my config](#)

[Next level](#)



## Level 4 :

Goal 1 : A nice host need to communicate with Another host - Status : OK - Congratulations !!

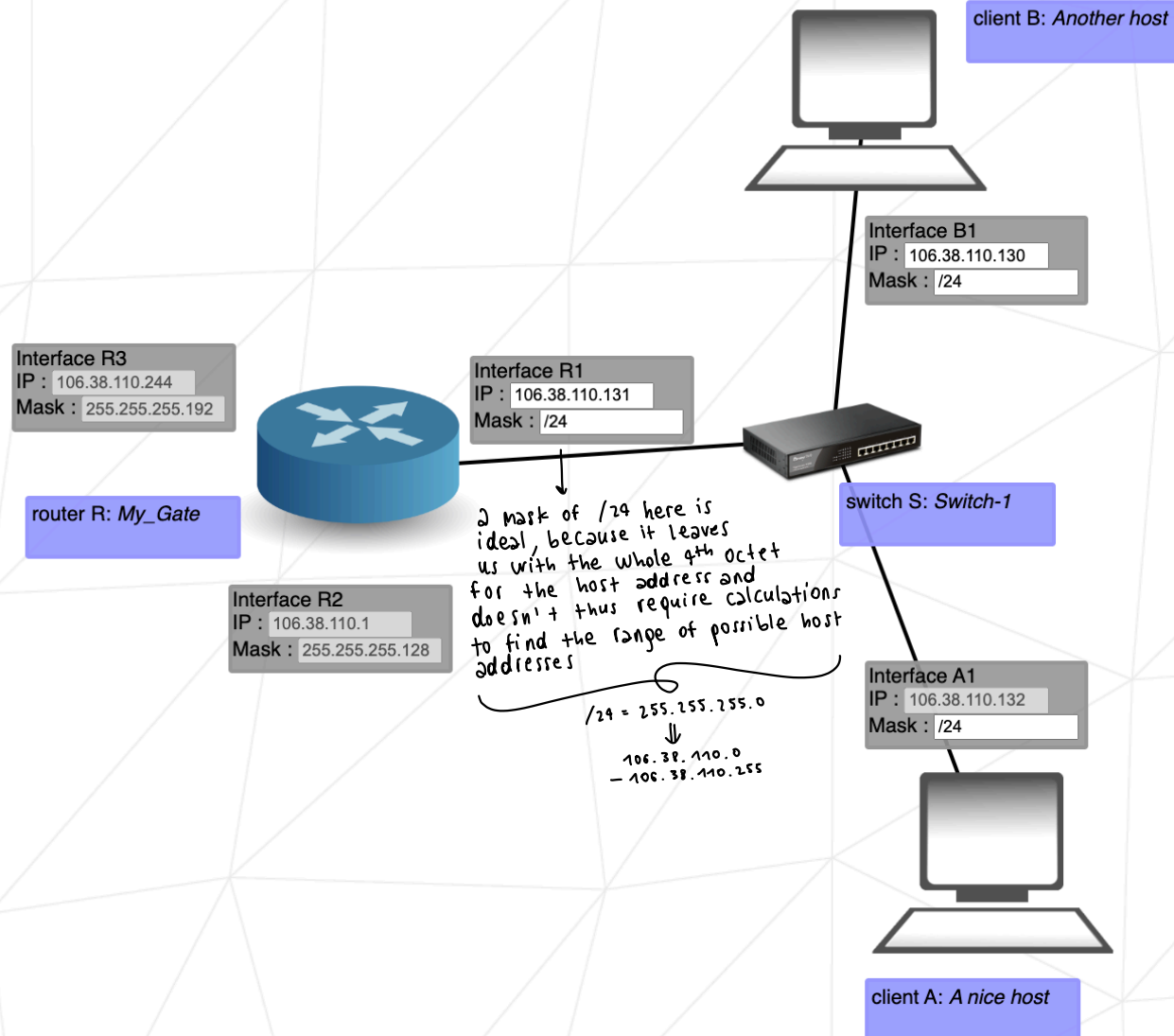
Goal 2 : A nice host need to communicate with My\_Gate - Status : OK - Congratulations !!

Goal 3 : Another host need to communicate with My\_Gate - Status : OK - Congratulations !!

[Check again](#)

[Get my config](#)

[Next level](#)



## Level 5 :

Goal 1 : *Machine A* need to communicate with *The Mighty Router* - Status : OK - Congratulations !!

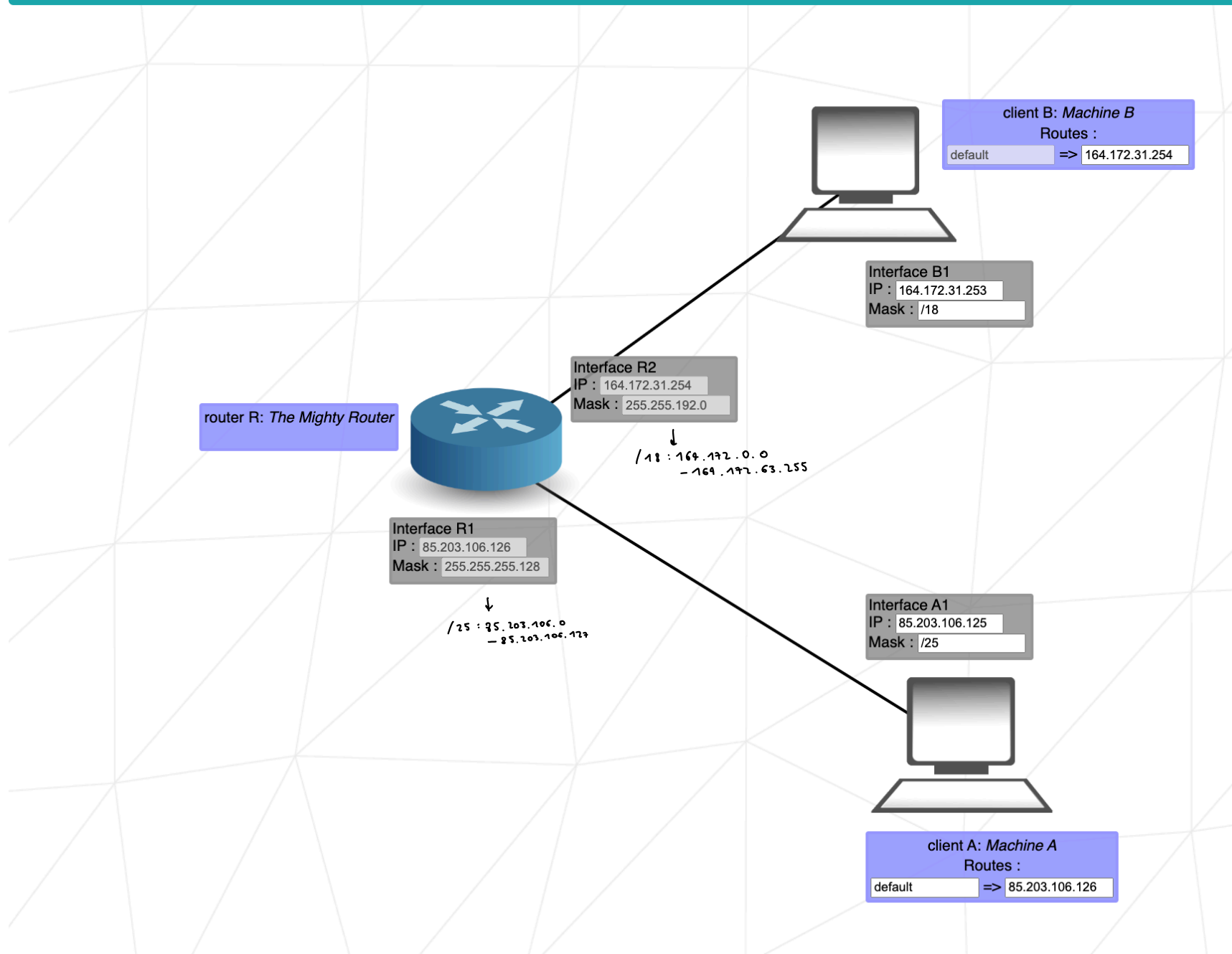
Goal 2 : *Machine B* need to communicate with *The Mighty Router* - Status : OK - Congratulations !!

Goal 3 : *Machine A* need to communicate with *Machine B* - Status : OK - Congratulations !!

[Check again](#)

[Get my config](#)

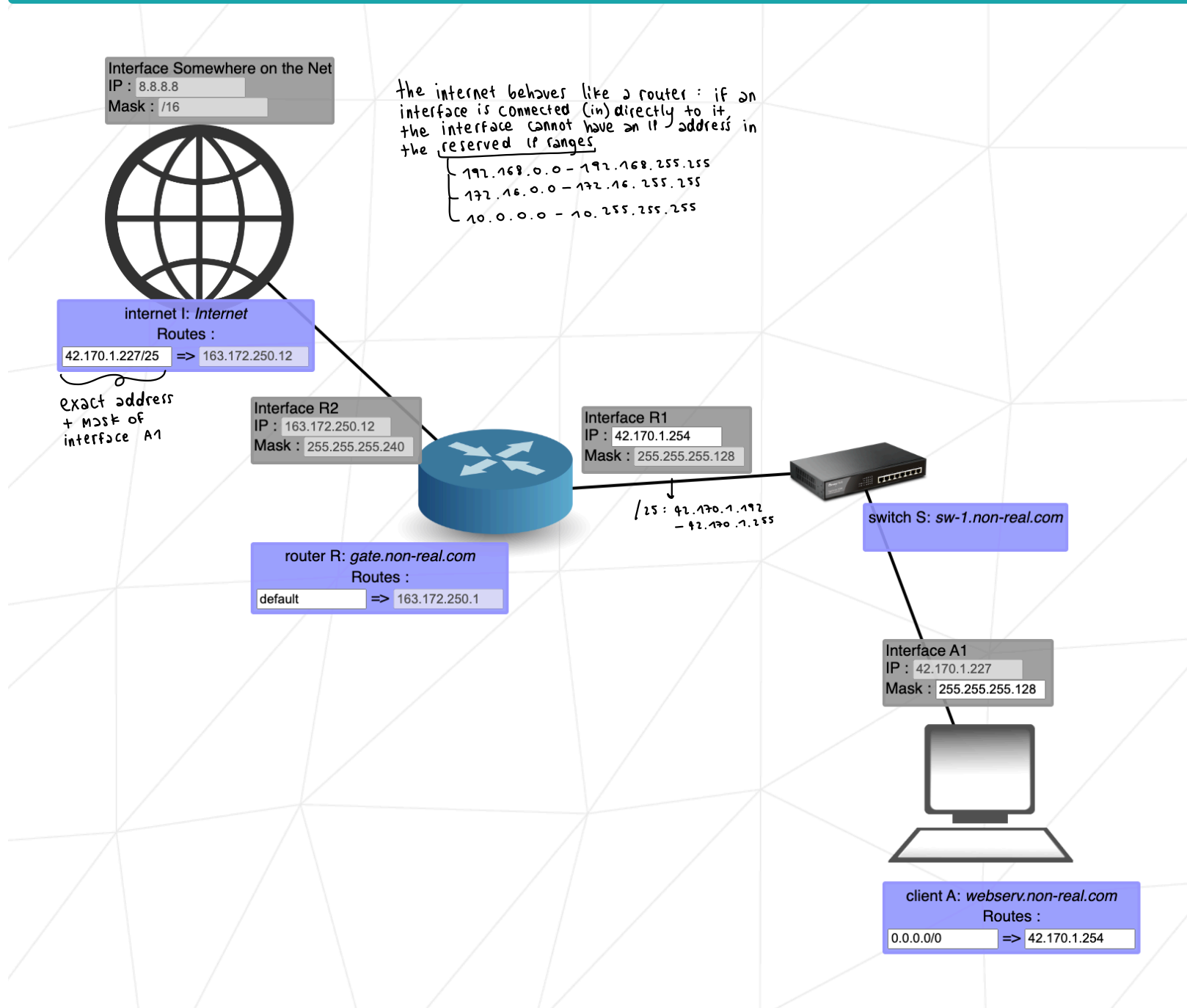
[Next level](#)



## Level 6 :

Goal 1 : Interface A1 need to communicate with interface *Somewhere on the Net* - Status : OK - Congratulations !!

[Check again](#) [Get my config](#) [Next level](#)



## Level 7 :

Goal 1 : *dev.non-real.net* need to communicate with *accounting.non-real.net* - Status : OK - Congratulations !!

[Check again](#)

[Get my config](#)

[Next level](#)

the range of IP addresses of a network must not overlap the range of IP addresses of a separate network, networks are separated by routers

router R1: *tech.non-real.net*

Routes :

0.0.0.0/0 => 94.198.14.253

Interface R11

IP : 94.198.14.1

Mask : 255.255.255.192

Interface A1

IP : 94.198.14.2

Mask : /26

network A1-R1

Interface R12

IP : 94.198.14.254

Mask : /26

client A: *dev.non-real.net*

Routes :

0.0.0.0/0 => 94.198.14.1

↓  
a mask of /26 (64 hosts) or higher is convenient to split the last bytes of the address into 4 or more address ranges

network R1-R2

Interface R21

IP : 94.198.14.253

Mask : /26

Interface C1

IP : 94.198.14.67

Mask : /26

network R2-C

Interface R22

IP : 94.198.14.66

Mask : /26

router R2: *adm.non-real.net*

Routes :

0.0.0.0/0 => 94.198.14.254

client C: *accounting.non-real.net*

Routes :

0.0.0.0/0 => 94.198.14.66

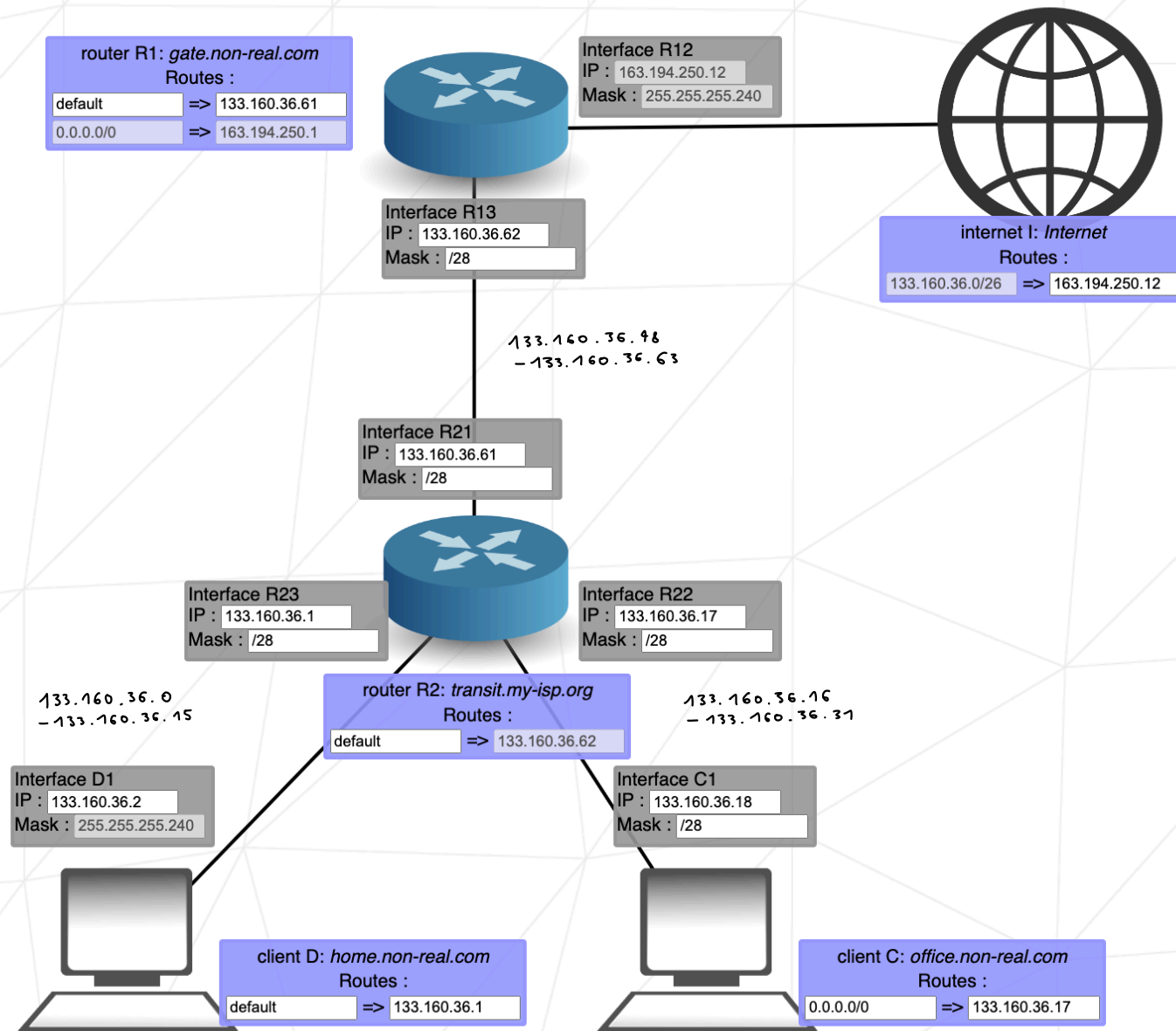
## Level 8 :

Goal 1 : *office.non-real.com* need to communicate with *home.non-real.com* - Status : OK - Congratulations !!

Goal 2 : *office.non-real.com* need to communicate with *Internet* - Status : OK - Congratulations !!

Goal 3 : *home.non-real.com* need to communicate with *Internet* - Status : OK - Congratulations !!

[Check again](#) [Get my config](#) [Next level](#)

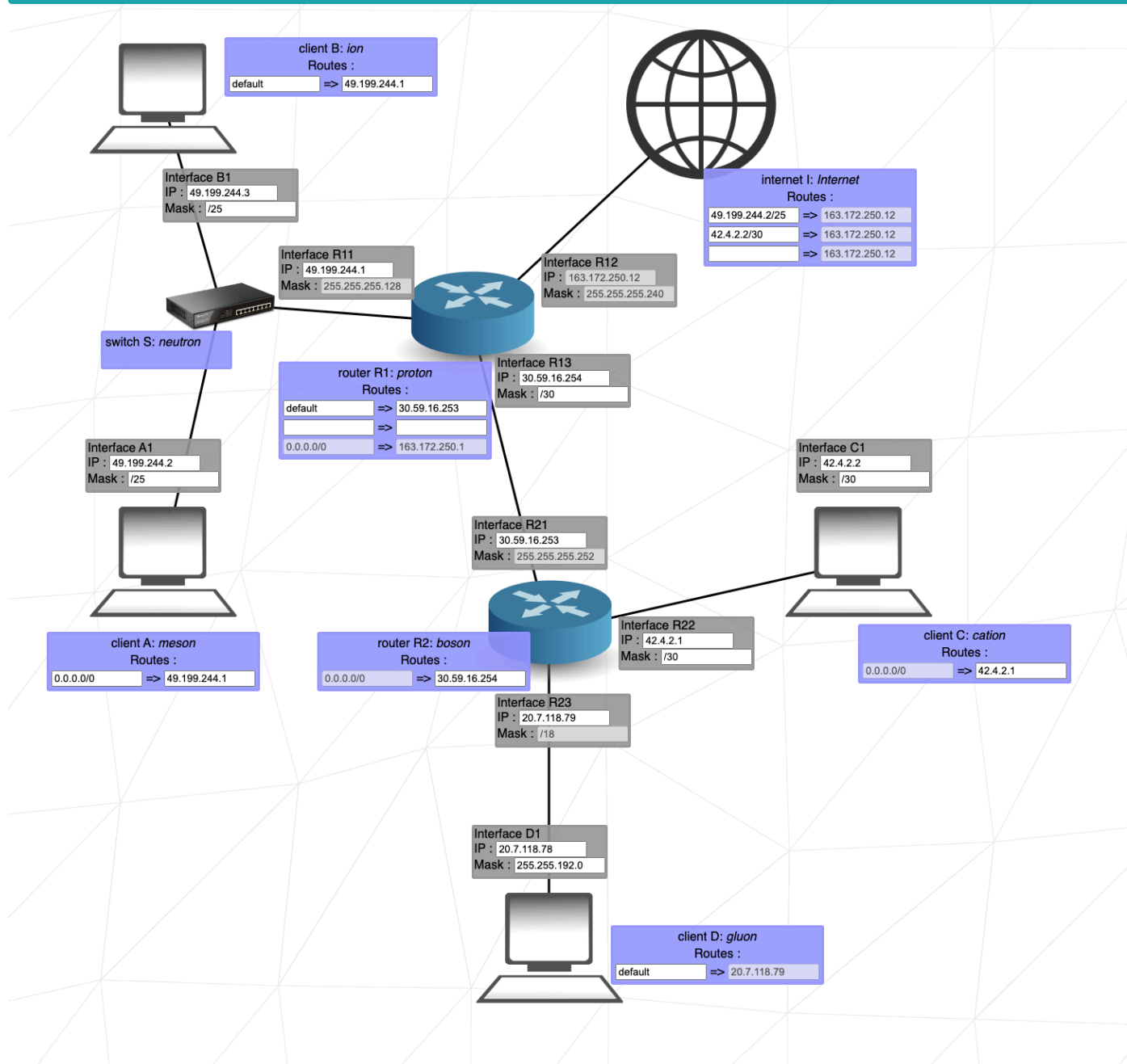




## Level 9 :

Goal 1 : *meson* need to communicate with *ion* - Status : OK - Congratulations !!  
Goal 2 : *cation* need to communicate with *gluon* - Status : OK - Congratulations !!  
Goal 3 : *meson* need to communicate with *Internet* - Status : OK - Congratulations !!  
Goal 4 : *meson* need to communicate with *gluon* - Status : OK - Congratulations !!  
Goal 5 : *ion* need to communicate with *cation* - Status : OK - Congratulations !!  
Goal 6 : *cation* need to communicate with *Internet* - Status : OK - Congratulations !!

[Check again](#) [Get my config](#) [Next level](#)



## Level 10 :

Goal 1 : Host one need to communicate with Host two - Status : OK - Congratulations !!  
 Goal 2 : Host three need to communicate with Host four - Status : OK - Congratulations !!  
 Goal 3 : Host one need to communicate with Internet - Status : OK - Congratulations !!  
 Goal 4 : Host one need to communicate with Host four - Status : OK - Congratulations !!  
 Goal 5 : Host two need to communicate with Host three - Status : OK - Congratulations !!  
 Goal 6 : Host three need to communicate with Internet - Status : OK - Congratulations !!  
 Goal 7 : Host four need to communicate with Internet - Status : OK - Congratulations !!

[Check again](#) [Get my config](#) [Complete !](#)

