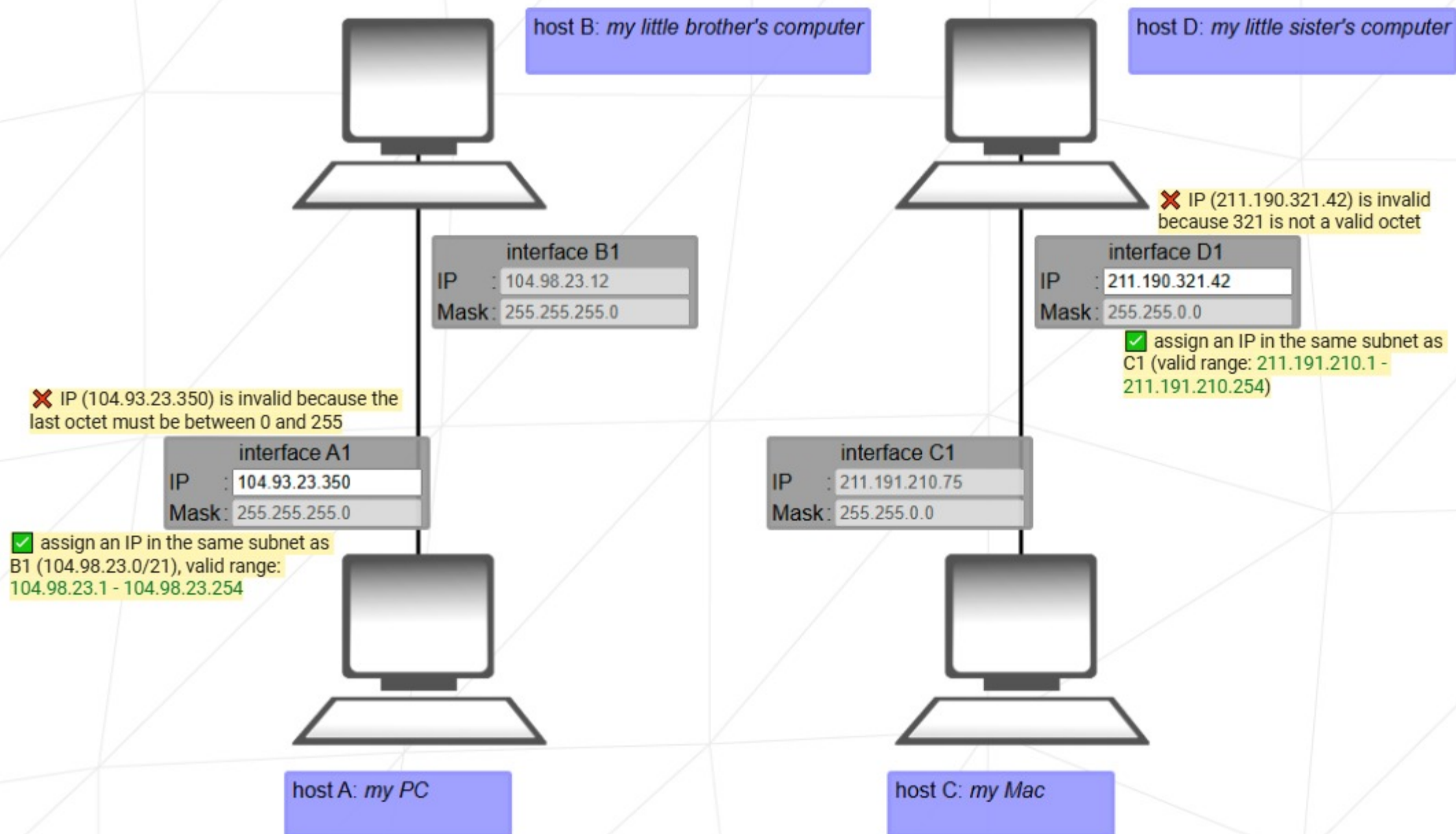


# Level 1 :

Goal 1 : *host my PC* needs to communicate with *host my little brother's computer* - Status : KO - No forward way, try again ...

Goal 2 : *host my Mac* needs to communicate with *host my little sister's computer* - Status : KO - No forward way, try again ...

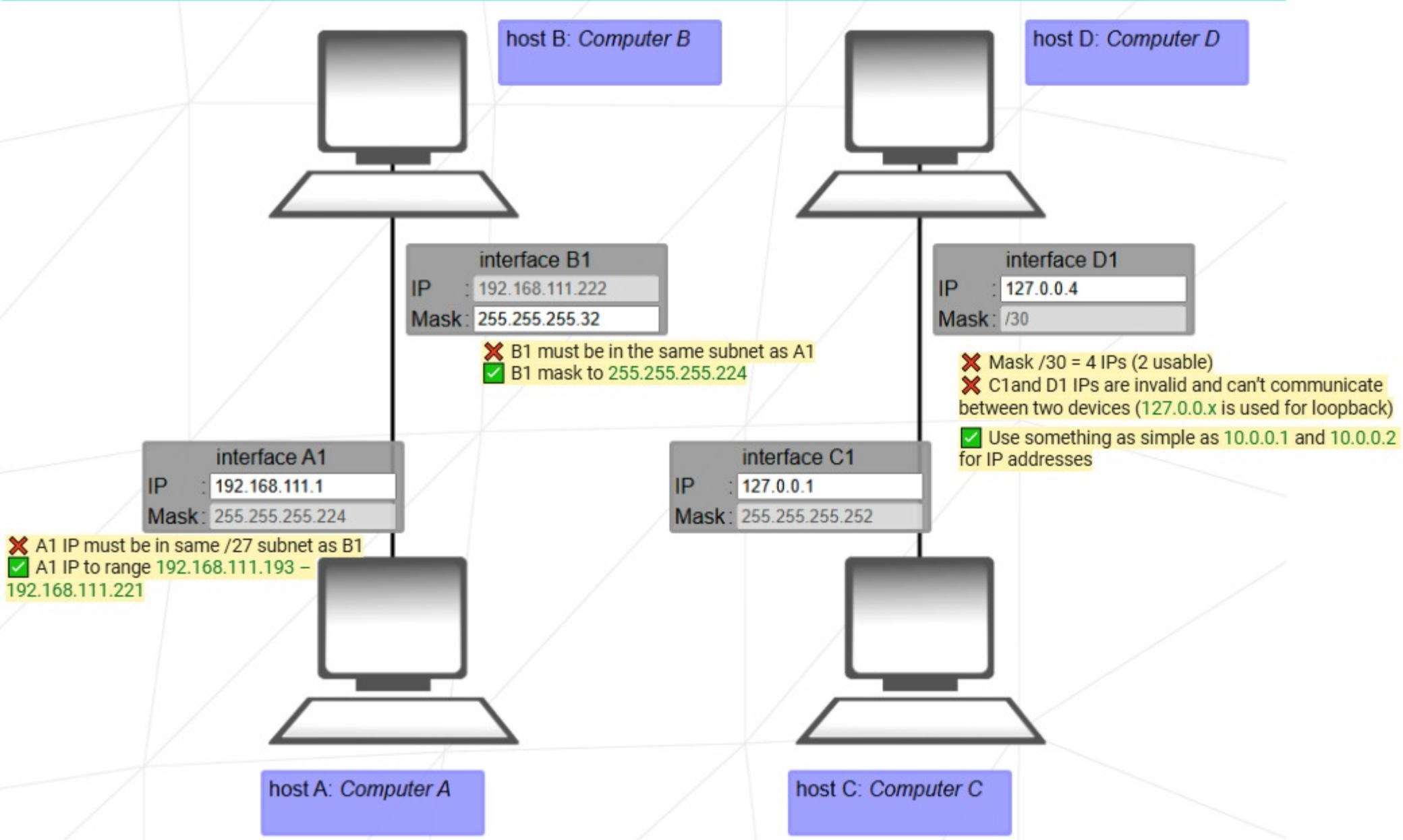
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# Level 2 :

Goal 1 : host **Computer B** needs to communicate with host **Computer A** - Status : KO - No forward way, try again ...  
Goal 1 : host **Computer D** needs to communicate with host **Computer C** - Status : KO - No forward way, try again ...

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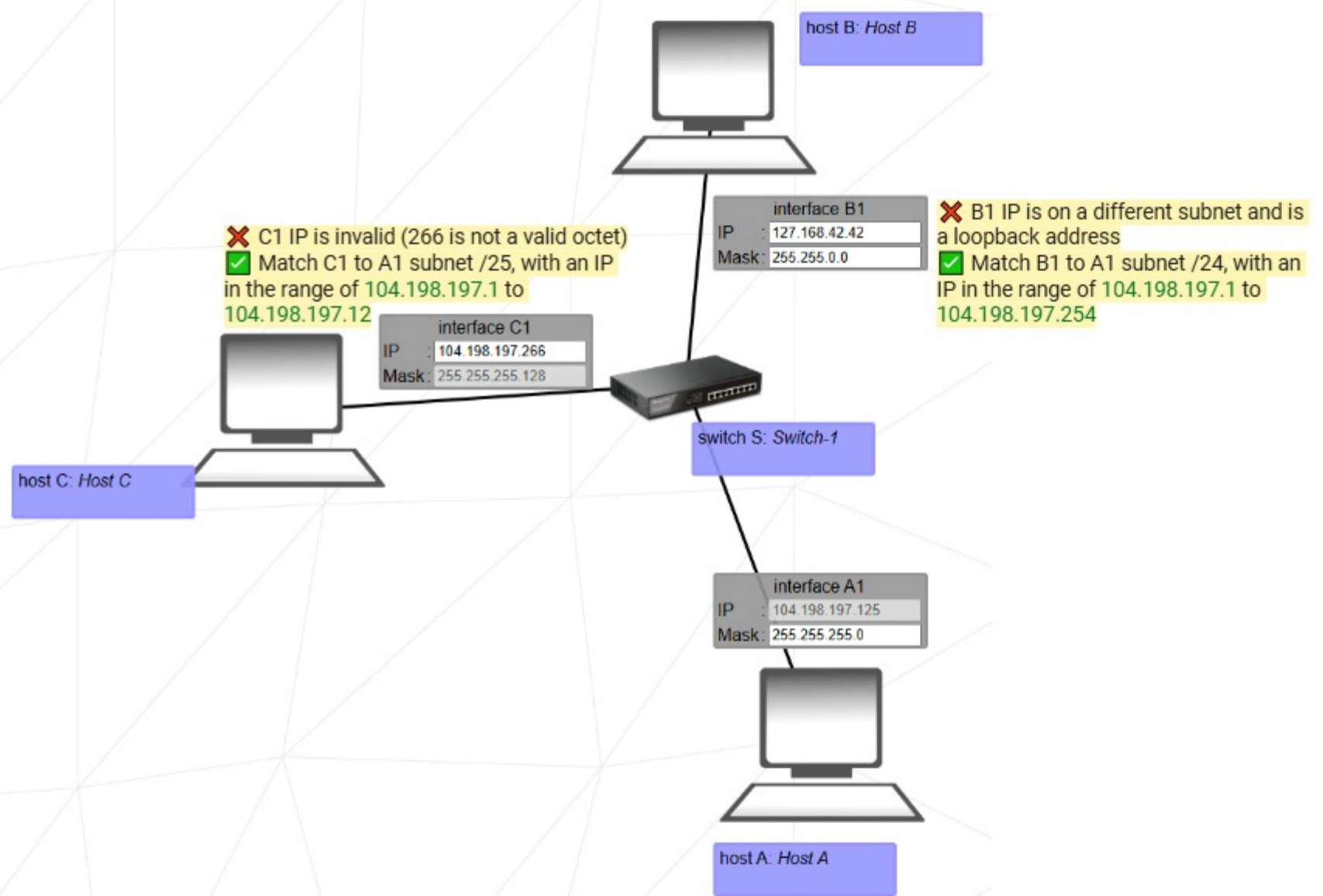
**Level 3 :**

Goal 1 : *host Host A* needs to communicate with *host Host B* - Status : KO - No forward way, try again ...

Goal 2 : *host Host A* needs to communicate with *host Host C* - Status : KO - No forward way, try again ...

Goal 3 : *host Host B* needs to communicate with *host Host C* - Status : KO - No forward way, try again ...

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Level 4 :

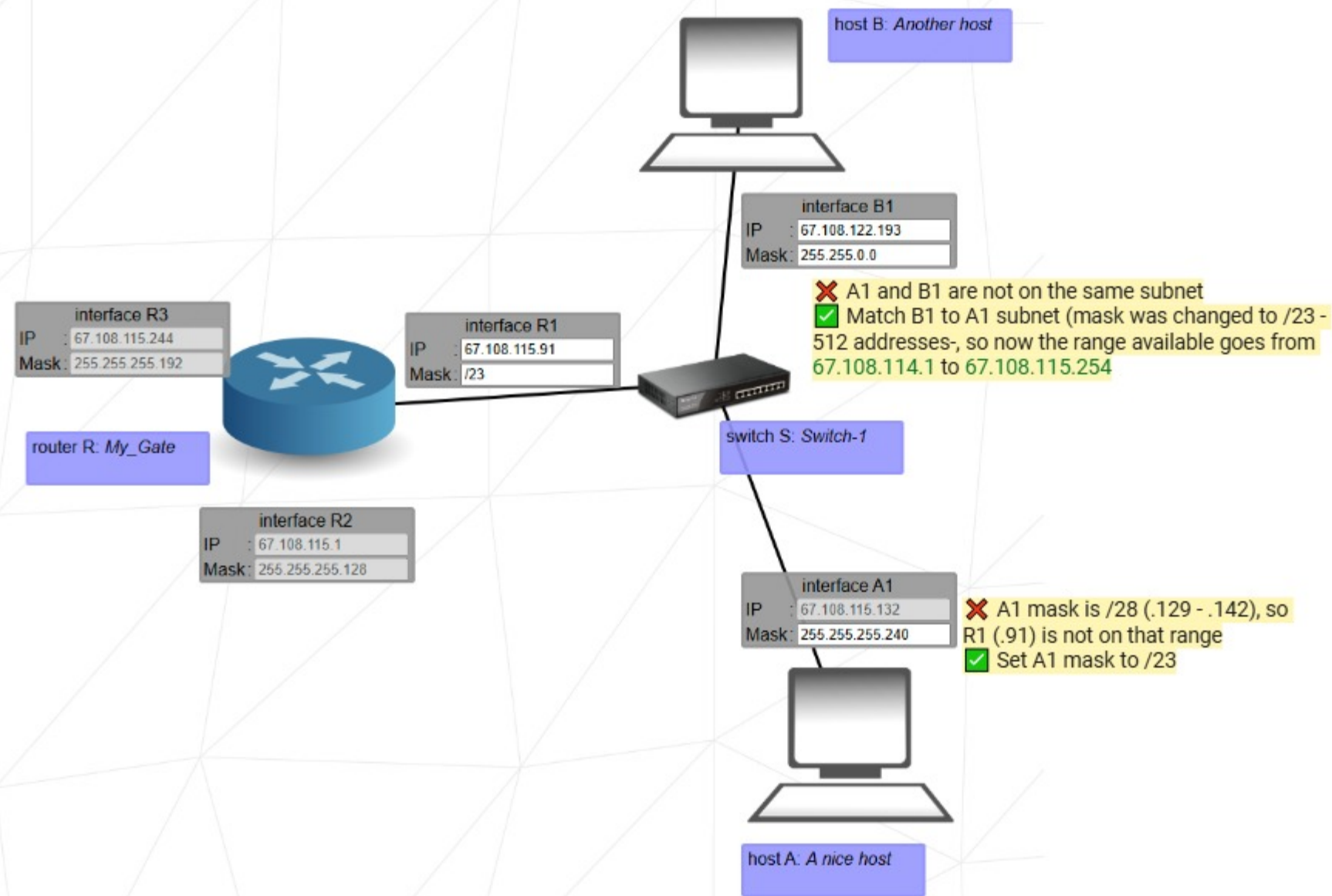
Goal 1 : host A nice host needs to communicate with host Another host - Status : KO - No forward way, try again ...

Goal 2 : host A nice host needs to communicate with host My\_Gate - Status : KO - No forward way, try again ...

Goal 3 : host Another host needs to communicate with host My\_Gate - Status : KO - No reverse way, try again ...

Check again

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Level 5 :

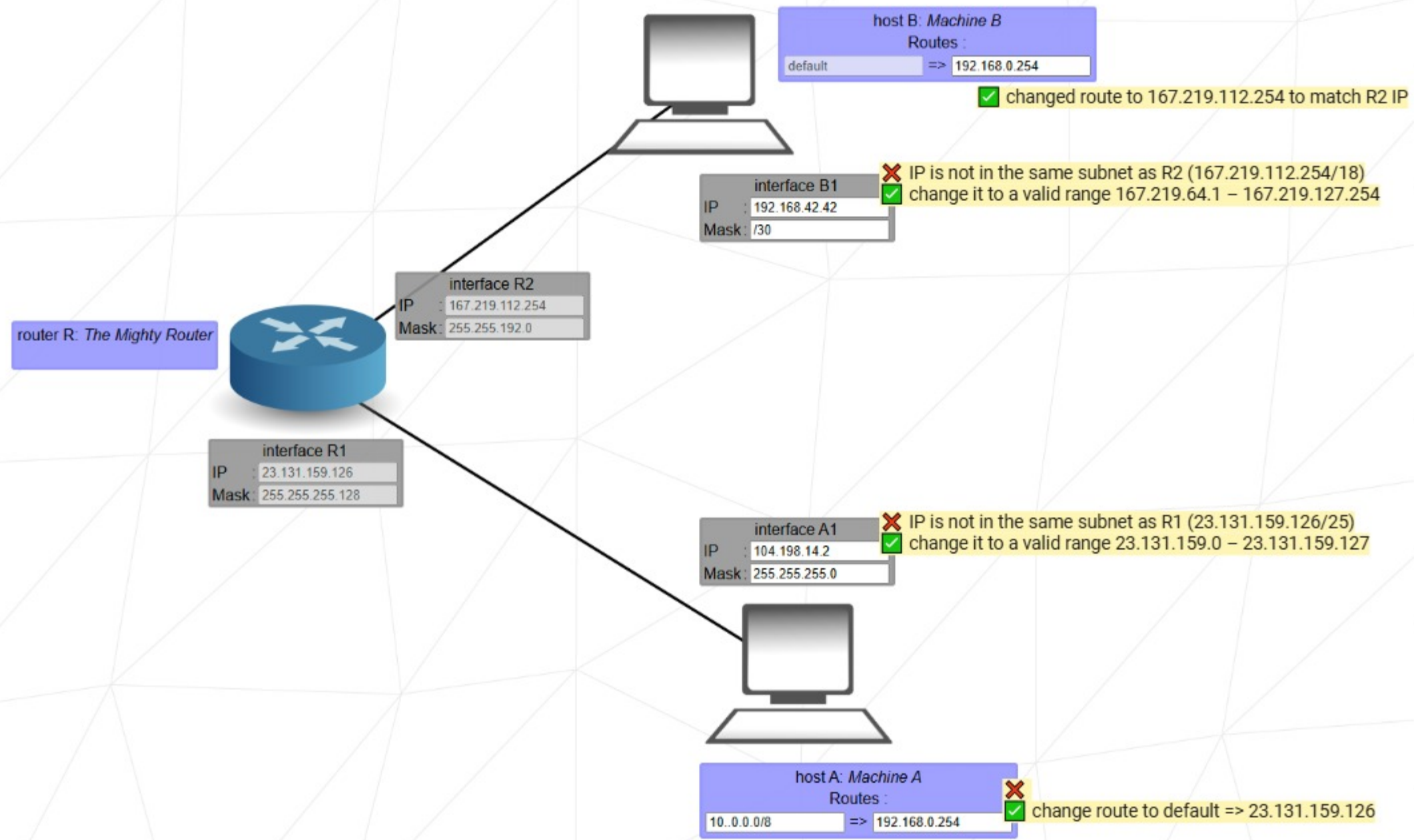
Goal 1 : host **Machine A** needs to communicate with host **The Mighty Router** - Status : KO - No forward way, try again ...

Goal 2 : host **Machine B** needs to communicate with host **The Mighty Router** - Status : KO - No forward way, try again ...

Goal 3 : host **Machine A** needs to communicate with host **Machine B** - Status : KO - No forward way, try again ...

Check again

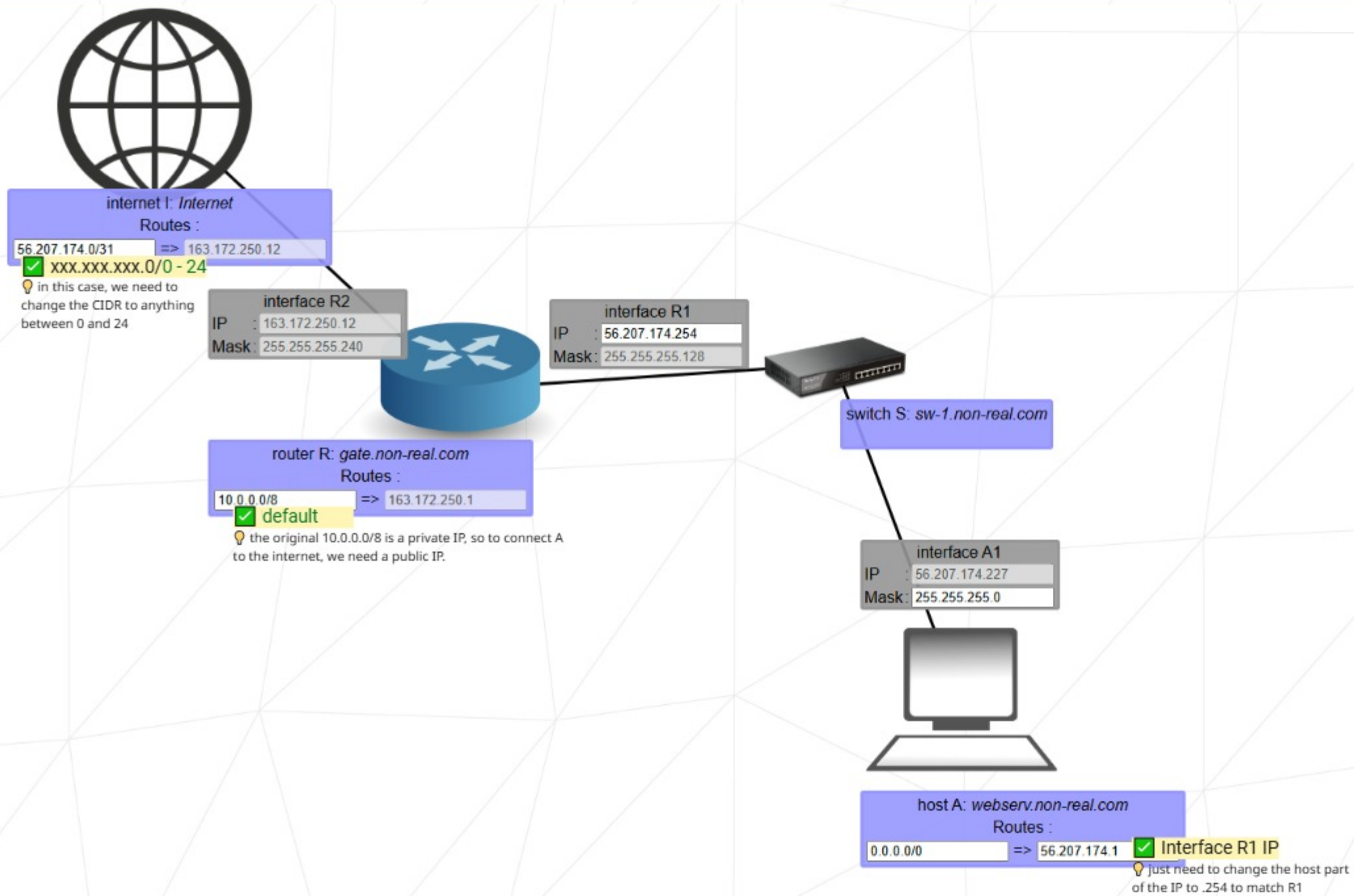
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## Level 6 :

Goal 1 : host **webserv.non-real.com** needs to communicate with interface **Somewhere on the Net** - Status : KO - No forward way, try again ...

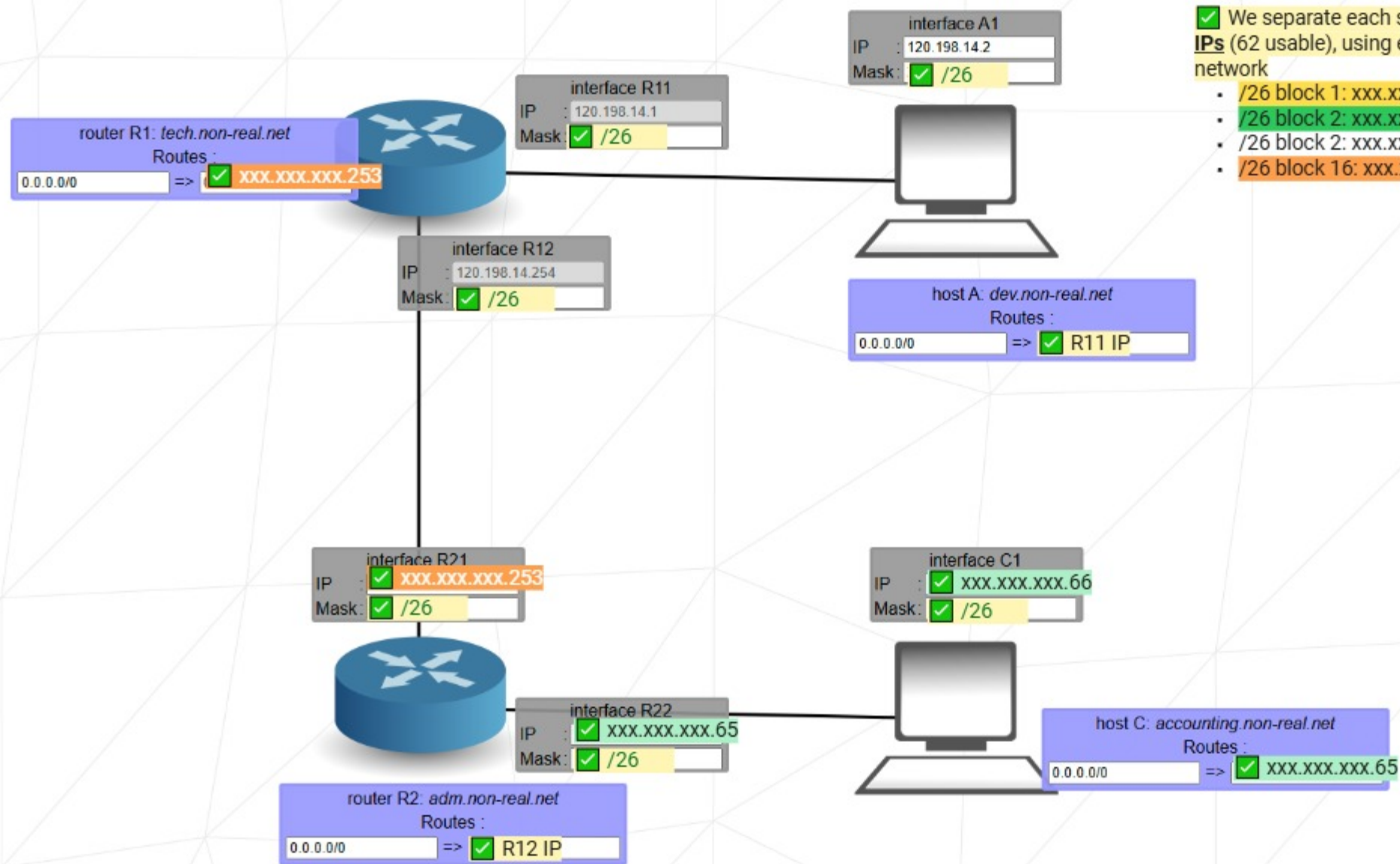
[Check again](#) [Get my config](#)



## Level 7 :

Goal 1 : host **dev.non-real.net** needs to communicate with host **accounting.non-real.net** - Status : KO - Correct IP reached but wrong host, try again ...

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☒ We separate each subnet into **/26**, with segments of **64 IPs** (62 usable), using each block for a specific part of the network

- /26 block 1: xxx.xxx.xxx.0 – xxx.xxx.xxx.63
- /26 block 2: xxx.xxx.xxx.64 – xxx.xxx.xxx.127
- /26 block 2: xxx.xxx.xxx.128 – xxx.xxx.xxx.191
- /26 block 16: xxx.xxx.xxx.192 – xxx.xxx.xxx.255



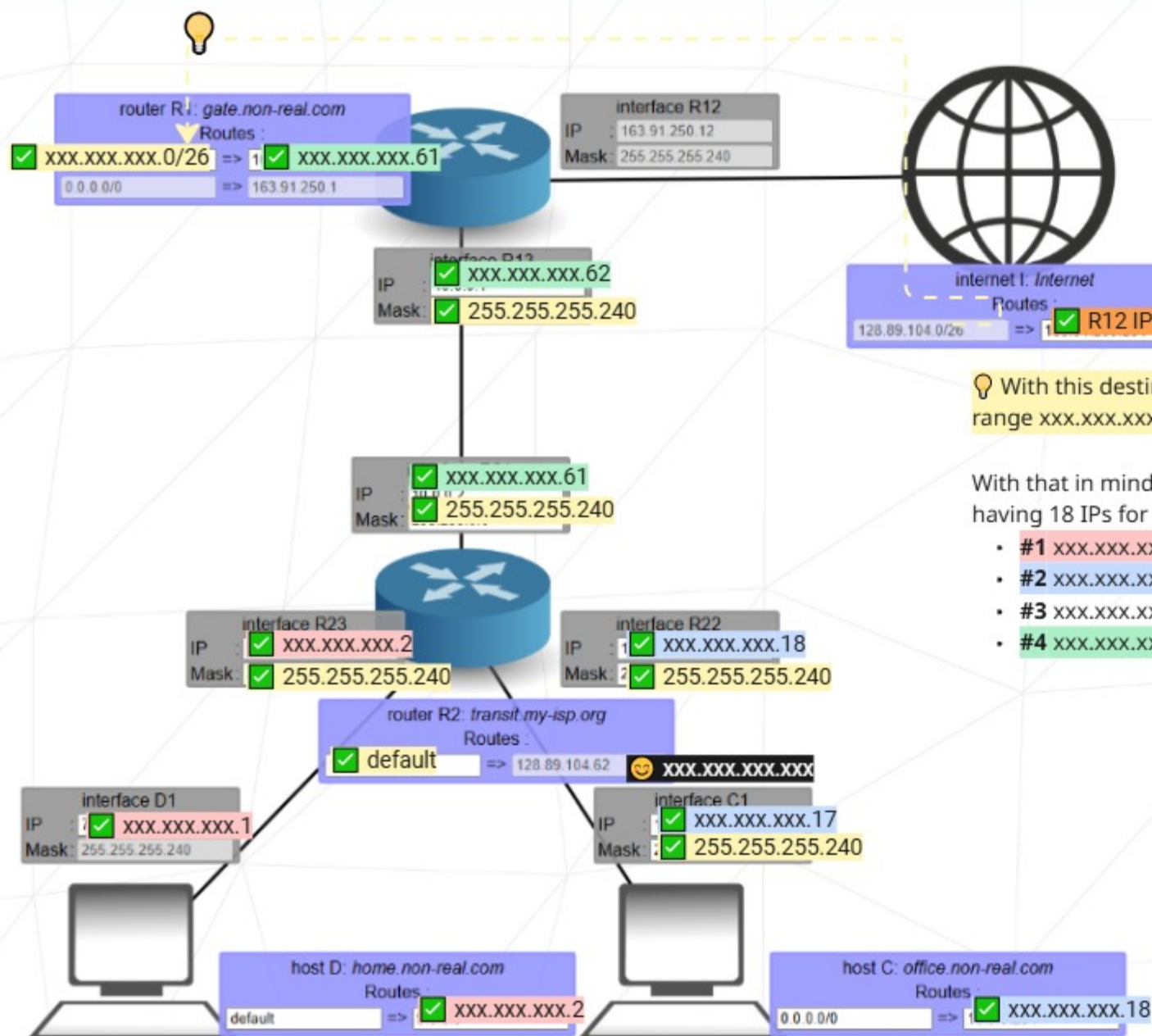
## Level 8 :

Goal 1 : host **office.non-real.com** needs to communicate with host **home.non-real.com** - Status : KO - No forward way, try again ...

Goal 2 : host **office.non-real.com** needs to communicate with interface **Somewhere on the Net** - Status : KO - No forward way, try again ...

Goal 3 : host **home.non-real.com** needs to communicate with interface **Somewhere on the Net** - Status : KO - No forward way, try again ...

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With this destination route and /26, we only have 64 available IPs, from range `xxx.xxx.xxx.0 - xxx.xxx.xxx.63`

With that in mind, we split that range into a mask of /28 (255.255.255.240), having 18 IPs for each range (16 usable):

- #1 `xxx.xxx.xxx.0 - .15`
- #2 `xxx.xxx.xxx.16 - .31`
- #3 `xxx.xxx.xxx.32 - .47`
- #4 `xxx.xxx.xxx.48 - .63`



**Level 9 :**

Goal 1 : host **meson** needs to communicate with host **ion** - Status : KO - No forward way, try again ...

Goal 2 : host **cation** needs to communicate with host **gluon** - Status : KO - No forward way, try again ...

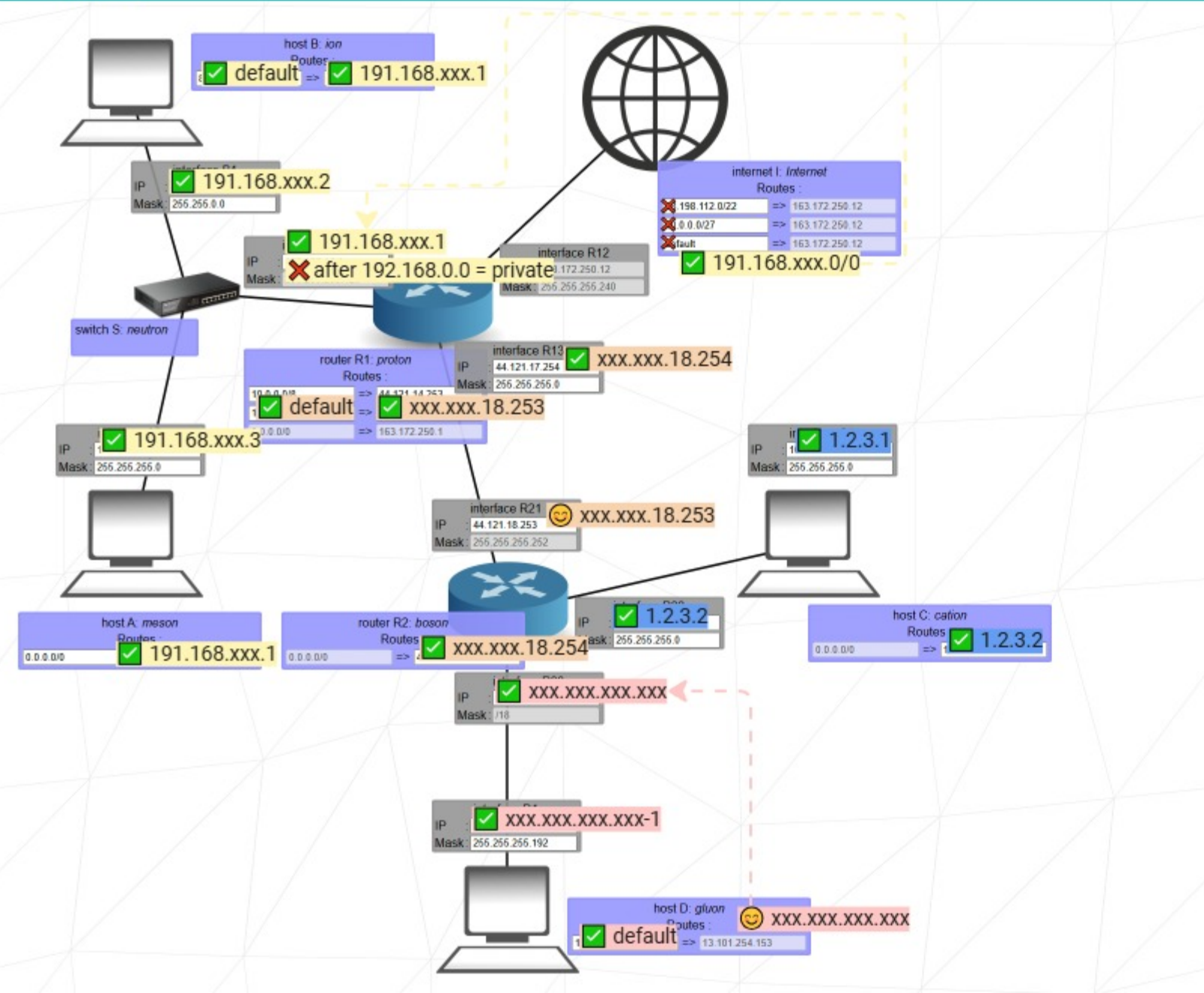
Goal 3 : host **meson** needs to communicate with host **Internet** - Status : KO - No forward way, try again ...

Goal 4 : host **meson** needs to communicate with host **gluon** - Status : KO - No forward way, try again ...

Goal 5 : host **ion** needs to communicate with host **cation** - Status : KO - No forward way, try again ...

Goal 6 : host **cation** needs to communicate with host **Internet** - Status : KO - No forward way, try again ...

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## Level 10 :

Goal 1 : host **Host one** needs to communicate with host **Host two** - Status : KO - No forward way, try again ...  
Goal 2 : host **Host three** needs to communicate with host **Host four** - Status : KO - No forward way, try again ...  
Goal 3 : host **Host one** needs to communicate with host **Internet** - Status : KO - No reverse way, try again ...  
Goal 4 : host **Host one** needs to communicate with host **Host four** - Status : KO - No forward way, try again ...  
Goal 5 : host **Host two** needs to communicate with host **Host three** - Status : KO - No forward way, try again ...  
Goal 6 : host **Host three** needs to communicate with host **Internet** - Status : KO - No forward way, try again ...  
Goal 7 : host **Host four** needs to communicate with host **Internet** - Status : KO - No forward way, try again ...

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