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 client D: my little sister's computer client B: my little brother's computer Interface B1 Interface D1 IP: 104.95.23.12 IP: 211.191.0.1 Mask: 255.255.255.0 Mask: 255.255.0.0 1 same network I same network Interface A1 IP : 104.95.23,1 Interface C1 IP: 211.191.29.75 Mask: 255.255.255.0 Mask: 255.255.0.0 client A: my PC client C: my Mac

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 client B: Computer B client D: Computer D Interface B1 Interface D1 192.168.131.1101 1110 IP: 192.168.131.222 IP: 192.168.1.22 Mask: 255.255.255.224 Mask: 130 (= 255.255.255.252) 192.168.131.1100 0001 1 same network I same network Interface A1 Interface C1 192.168.1. 0001 0110 IP: 192.168.1.21 IP: 192.168.131.193 Mask: 255.255.255.224 Mask: 255.255.255.252 192.168.1. 0001 0101 client C: Computer C client A: Computer A

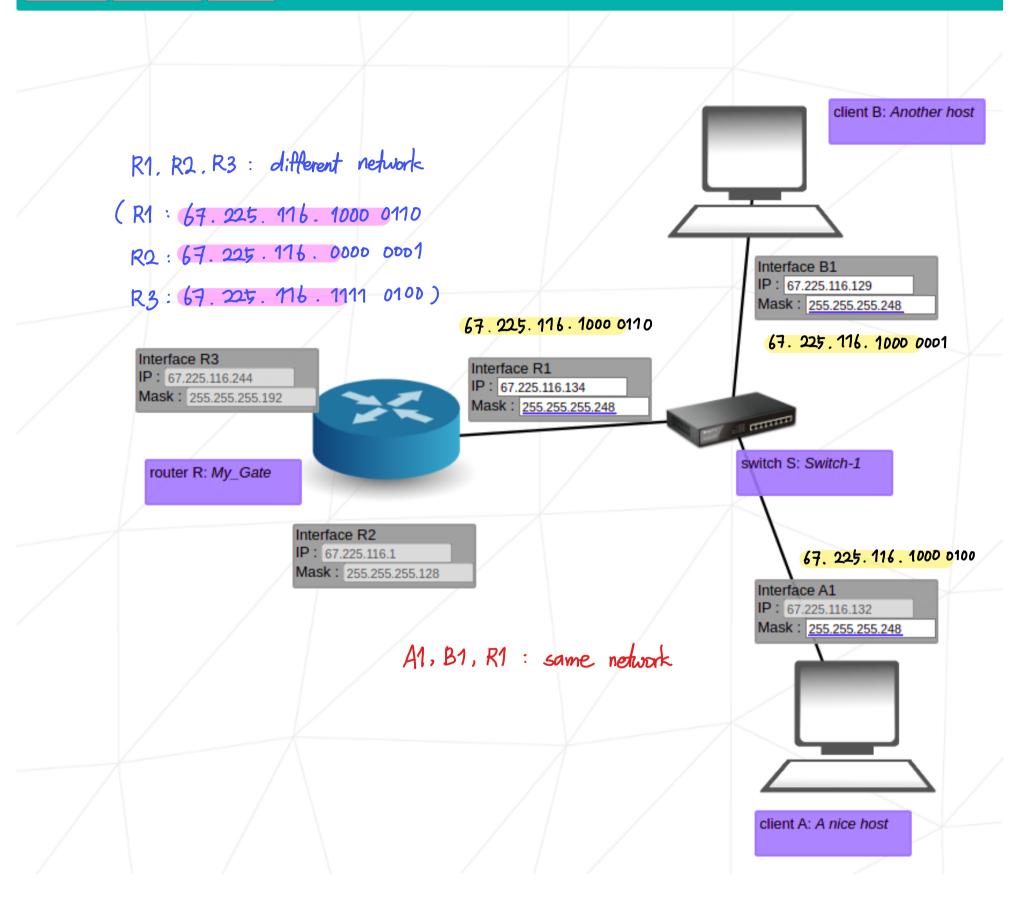
Goal 1: Host A need to communicate with Host B - Status: OK - Congratulations!! Goal 2 : Host A need to communicate with Host C - Status : OK - Congratulations !! Goal 3 : <math>Host B need to communicate with Host C - Status : OK - Congratulations !!Check again Get my config Next level client B: Host B Interface B1 IP: 104.198.207.104 Mask: 255.255.255.128 104. 198. 207. 0000 0010 104. 198. 207. 0110 1000 Interface C1 IP: 104.198.207.2 Mask: 255.255.255.128 CITATION . switch S: Switch-1 client C: Host C 104. 198. 207. 0111 1101 A1, B1, C1: same network Interface A1 IP: 104.198.207.125 Mask: 255.255.255.128 client A: Host A

Level 3:

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 !!

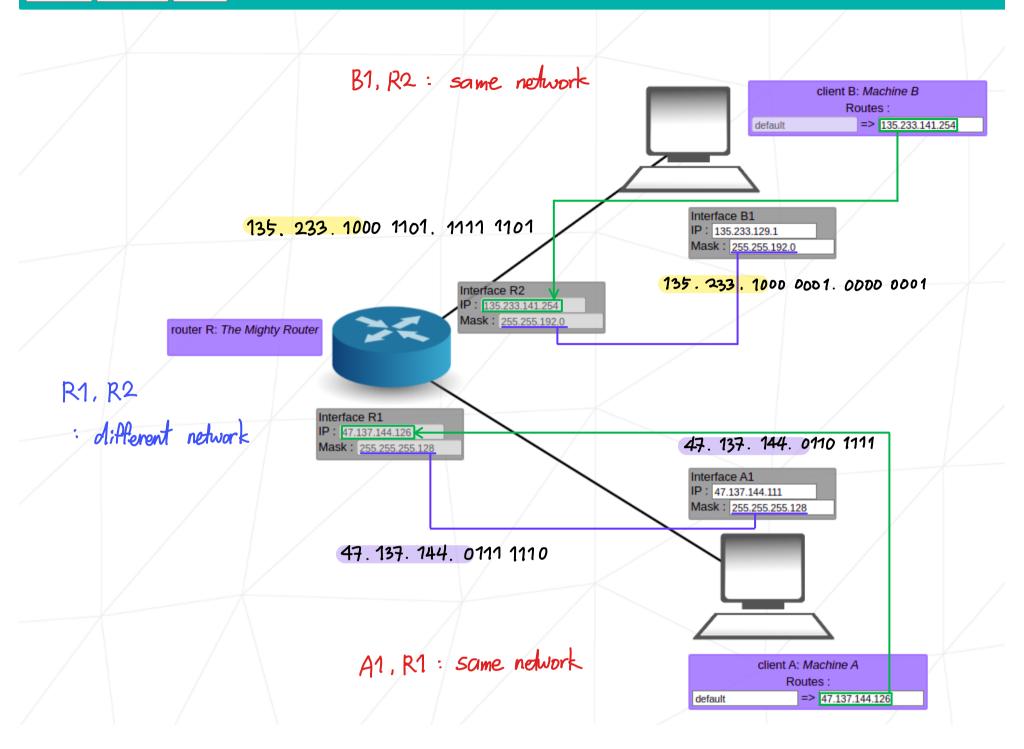
Check again Get my config Next level

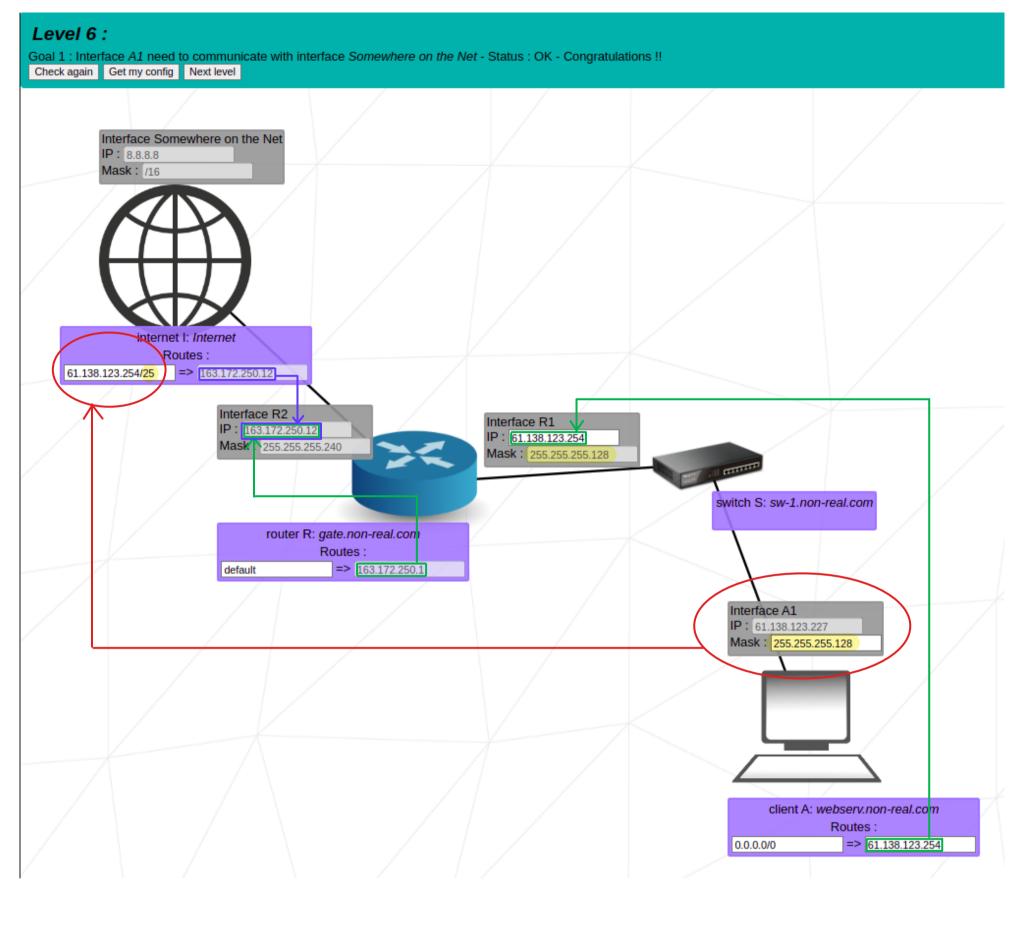


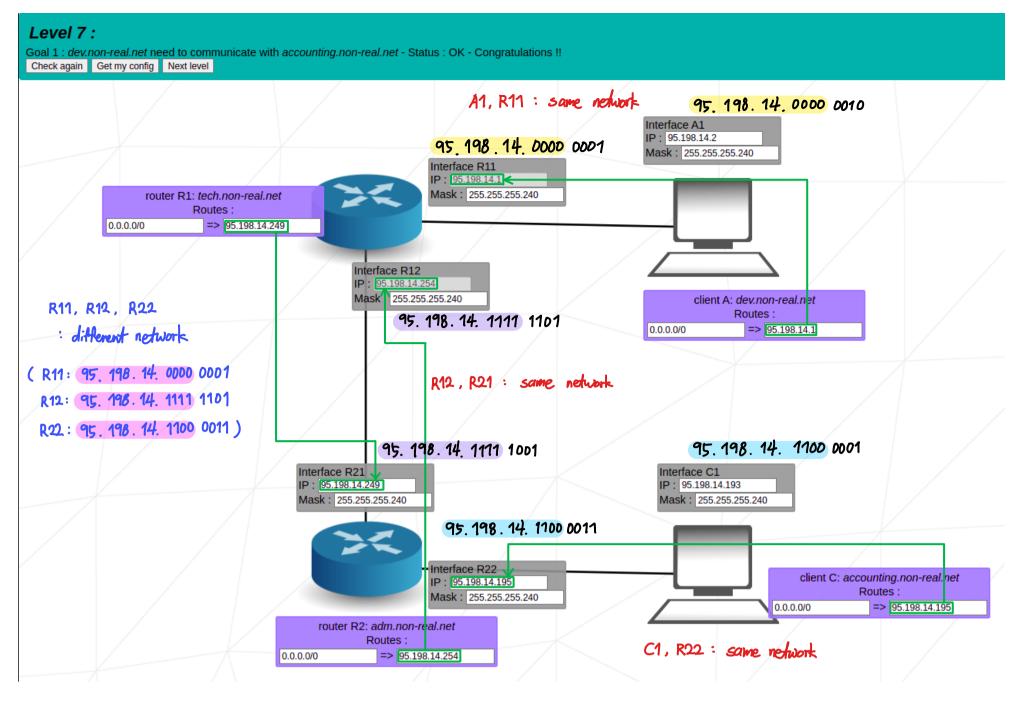
Level 5:

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







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 router R1: gate.non-real.com Interface R12 IP: 163.223.250.12 Routes: Mask: 255.255.255.240 168.195.69.0/26 => 168.195.69.61 => 163.223.250.1 0.0.0.0/0 Interface R13 IP: 168.195.69.62 Mask: 255.255.255.248 internet I: Internet Routes: 168.195.69.0/26 => 163.223.250.12 168.195.69.00XX XXXX Interface R21 IP: 168.195.69.61 Mask: 255.255.255.248 Interface R23 Interface R22 IP: 168.195.69.1 IF: 168.195.69.26 Mask: 255.255.255.252 Mask 255.255.255.240 Touter R2: transit.my-isp.org Routes: 168. 195. 69.0000 0010 => 168.195.69.62 default 168.195.67.0001 1001 Interface D1 Interface C1 IP: 168.195.69.2 IP: 168.195.69.25 Mask: 255.255.255.240 Mask: 255.255.255.252 client D: home.non-real.com client C: office.non-real.com Routes: Routes:

=> 168.195.69.26

0.0.0.0/0

=> 168.195.69.1

default

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

Level 8:

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 client B: /on Routes: => 192.100.1.1 default Internet I: Internet Routes: Mask : 255.255.255 (28) => 163.172.250.12 99.9.9.9/24 192.100.1.1 => 163.172.250.12 Interface R11 IP: 192.100.1.1 K Mask 255.255.255 (28) ⇒ 163.172.2 default nterface R12 IP: 163.172.250.12 Mask: 255.255.255.240 switch S: neutron Interface R13 IP: 172.1.1.2 K Mask: 255.255.255.252 router R1: proton Routes: 83.140.194.83 18) => [72.1.1.1] => 172.1.1.1 99.9.9.9/24 => [163.172.250.1 Interface C1 IP: 99.9.9.10 Mask : 205.205.205 128 Mask : 255.255.255 Interface R21 IP: 172.1.1.1 Interface R22 IP : 99.9.9 K Mask : 200.200.200 client C: cation router R2: boson Routes: 0.0.0.0/0 => 99.9.9.9 => 192.100.1.1 => 172.1.1.2 default Interface R23 IP : 83140.194.82 Interface D1 IP: 83.140.194.83 Mask: 718 client D: gluon Routes: => 83.140.194.82 default

Level 9:

Level 10: Goal 1: Host one need to communicate with Host two - Status: OK - Congratulations!! Goal 2: Host three need to communicate with Host two - 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! default Interface H21 IP: 156.14.139.3 internet I: Internet Routes: Mask: 255.255.255.128 156.14.139.0/24 => [163.172.250.12] 156.14.139.XXXX XXXX Interface R12 IP: 163.172.250.12 Interface R11 IP N 15 Mask: 255.255.255.240 Mask:

