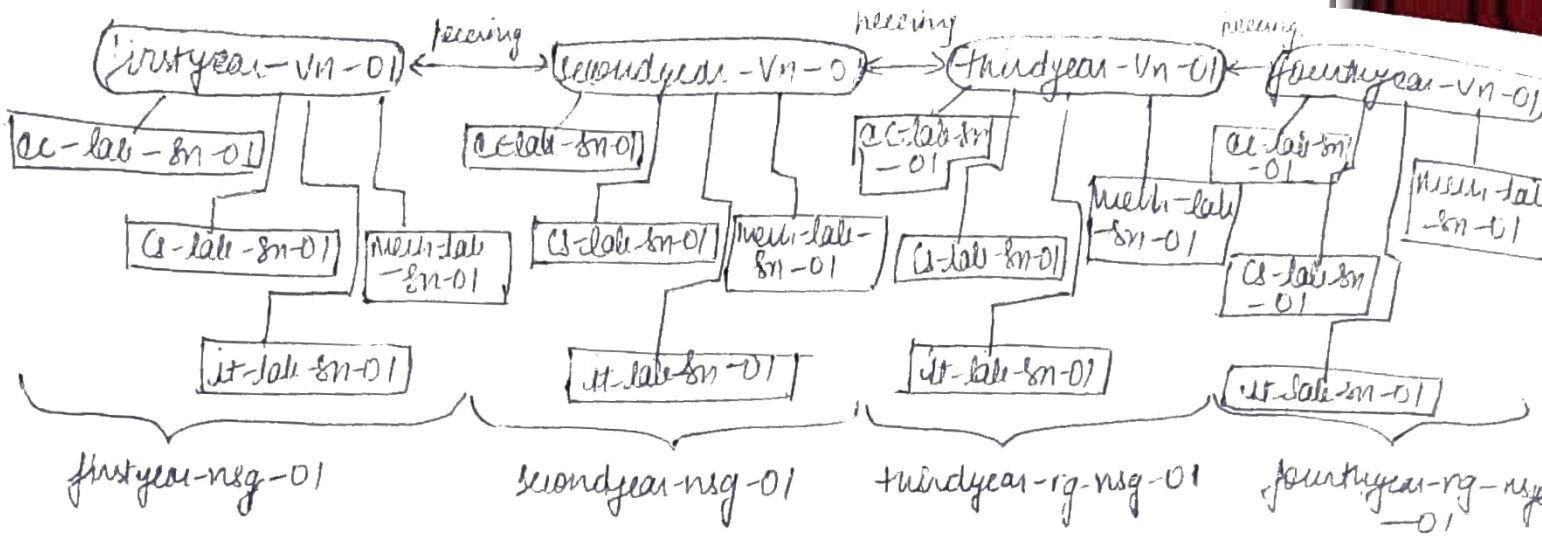
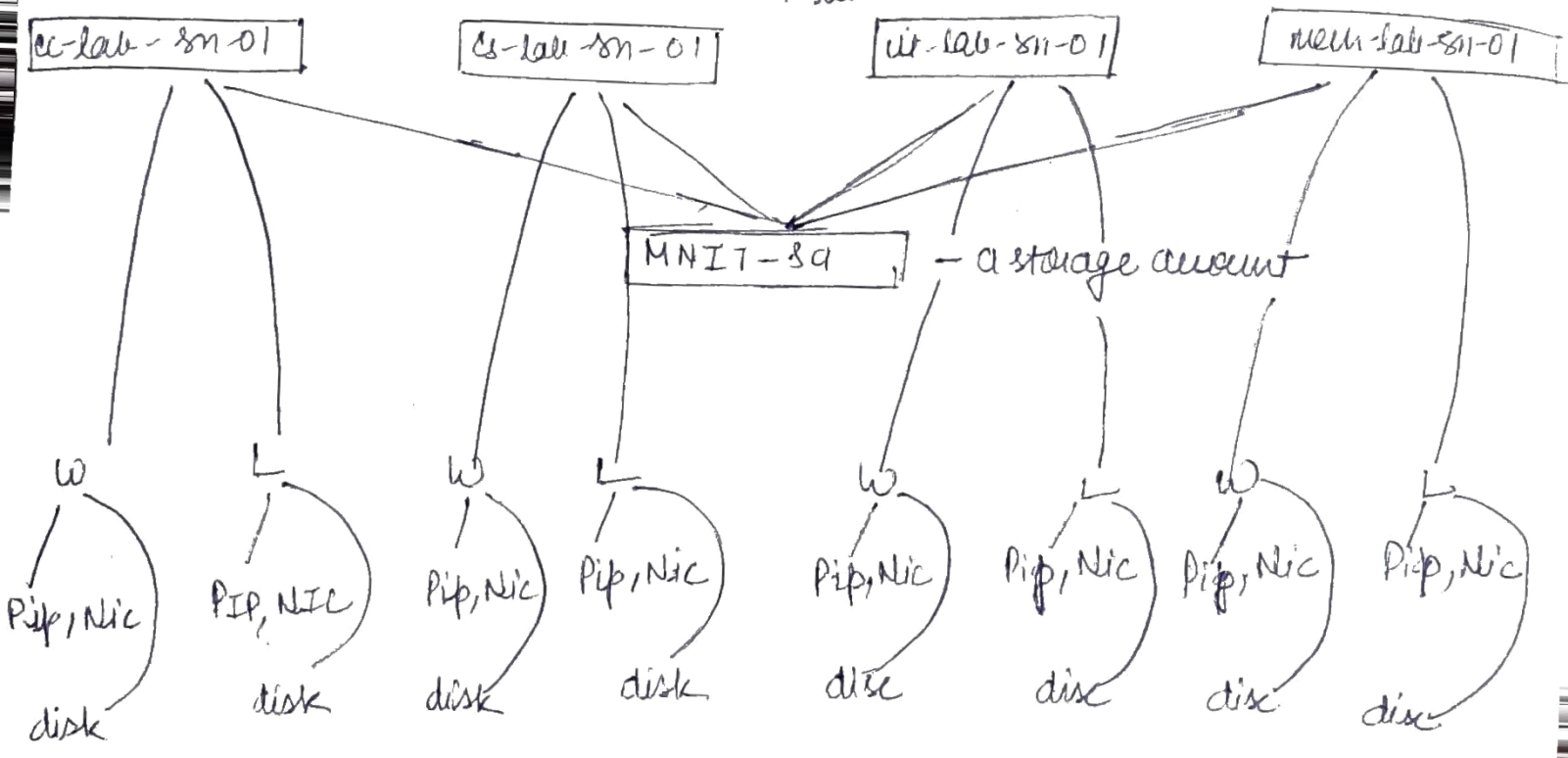


for each virtual network
4 subnets.



capacity → 64 computers in each subnet

$\therefore$ $64 \times 4 = 2^6 \times 2^2 = 2^8$
in 1 VN

$= 2^{32-24} = 2^8$ $\quad \therefore n = 24$

$\therefore$ Vnet ranges should be 10.0.0.0/24
20.0.0.0/24
30.0.0.0/24
40.0.0.0/24
respectively.

$\therefore$ Subnet Address prefixes.

firstyear-vn-01 ⇒ 10.0.1.0/26, 10.0.2.0/26
10.0.3.0/26, 10.0.4.0/26

secondyear-vn-01 ⇒ 20.0.1.0/26, 20.0.2.0/26
20.0.3.0/26, 20.0.4.0/26

thirdyear-vn-01 ⇒ 30.0.1.0/26, 30.0.2.0/26
30.0.3.0/26, 30.0.4.0/26

~~thirdyear~~ fourthyear-vn-01 ⇒ 40.0.1.0/26, 40.0.2.0/26
40.0.3.0/26, 40.0.4.0/26