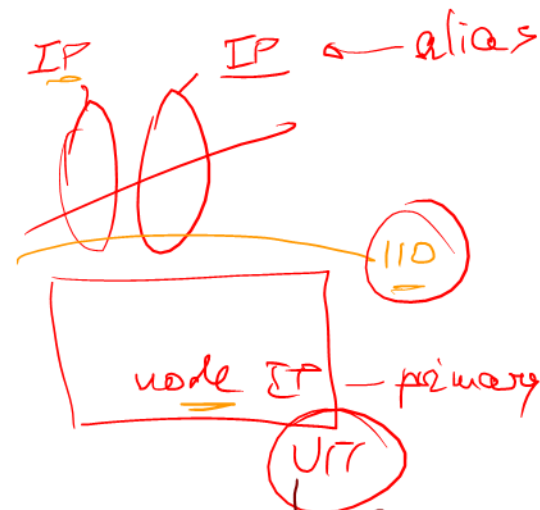
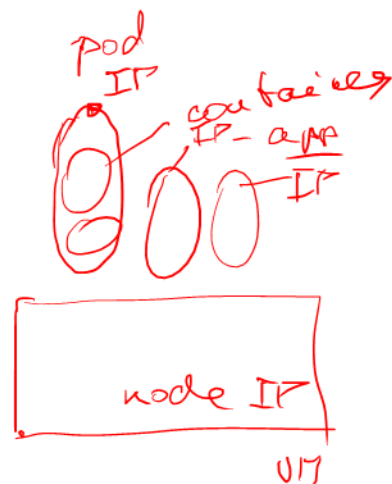


→ Masgeb



100 node cluster

$$2^{(32-25)} = 128$$
$$\begin{array}{r} - 4 \\ \hline 124 \end{array}$$

25


$\boxed{1/25} \rightarrow \text{expand } 1/24$
 actual $1/24 \rightarrow \underline{256 - 4 \text{ nodes}}$

192.168.16.0/24
↓
00010000

124

/24 per node — 256 IPs for 100 pods

$256 \times \underline{100 \text{ nodes}} = 25,600$ (32-17)

2x IP 192.168.128.0/17


3000 services - /20

$$2^{(32-20)} = 4096 \checkmark$$
$$\overline{192.168.32.0/20}$$

$$\underline{001010000}$$