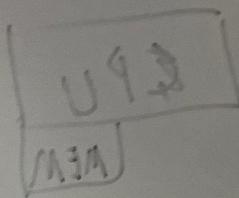


## 2. Multi interconnect

Topology:

1. Dragonfly
2. Bipartite/fat tree
3. Tree

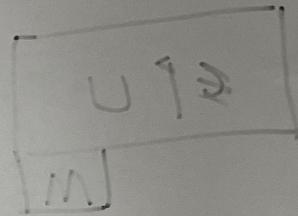
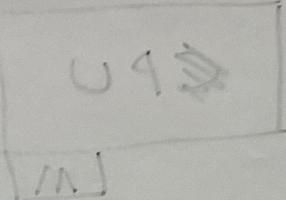


Connection type: Infiniband

Bandwidth: 200 Gb/s links

I/O: 100 GB/s

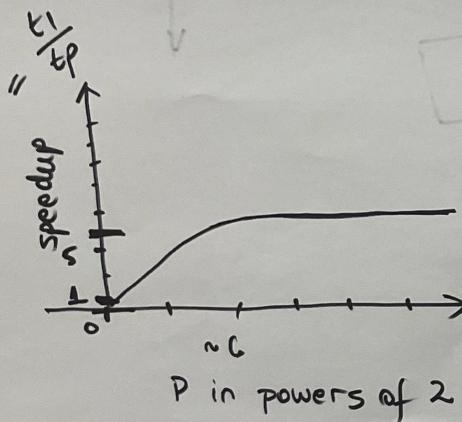
$N_1$



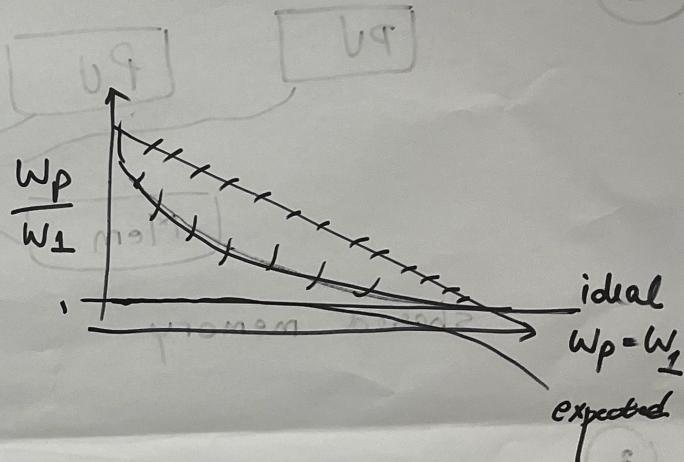
with smit

3. (virtual locate on) mapping algorithm

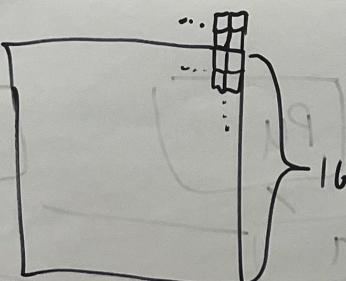
1. Amdahl's law



2. Gustafsson's Law



4.



$$16^2 - 12^2 = 256 - 144 = 112$$

$12^2 = 144$  within node

Technique

cubox

