

Lesson_12

Note Title

≈ n million

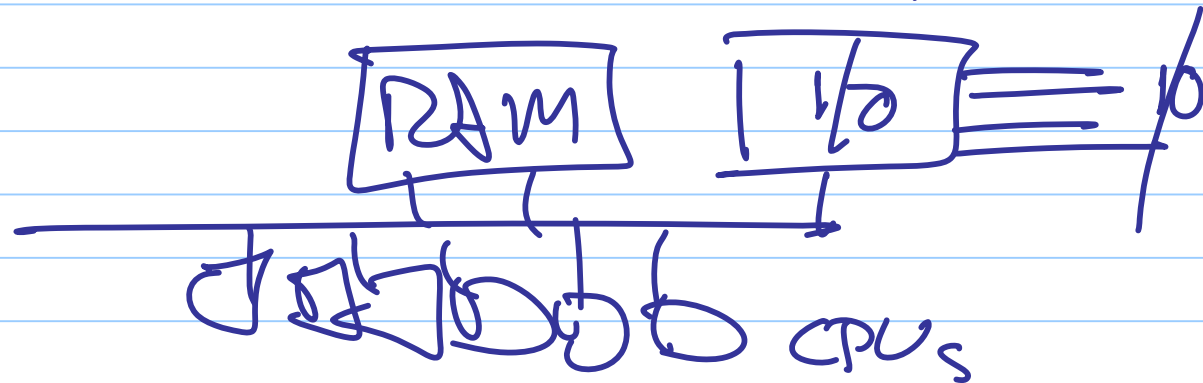
5/8/2008

8 core 32GB

Dell

256 CPUs
1TB RAM

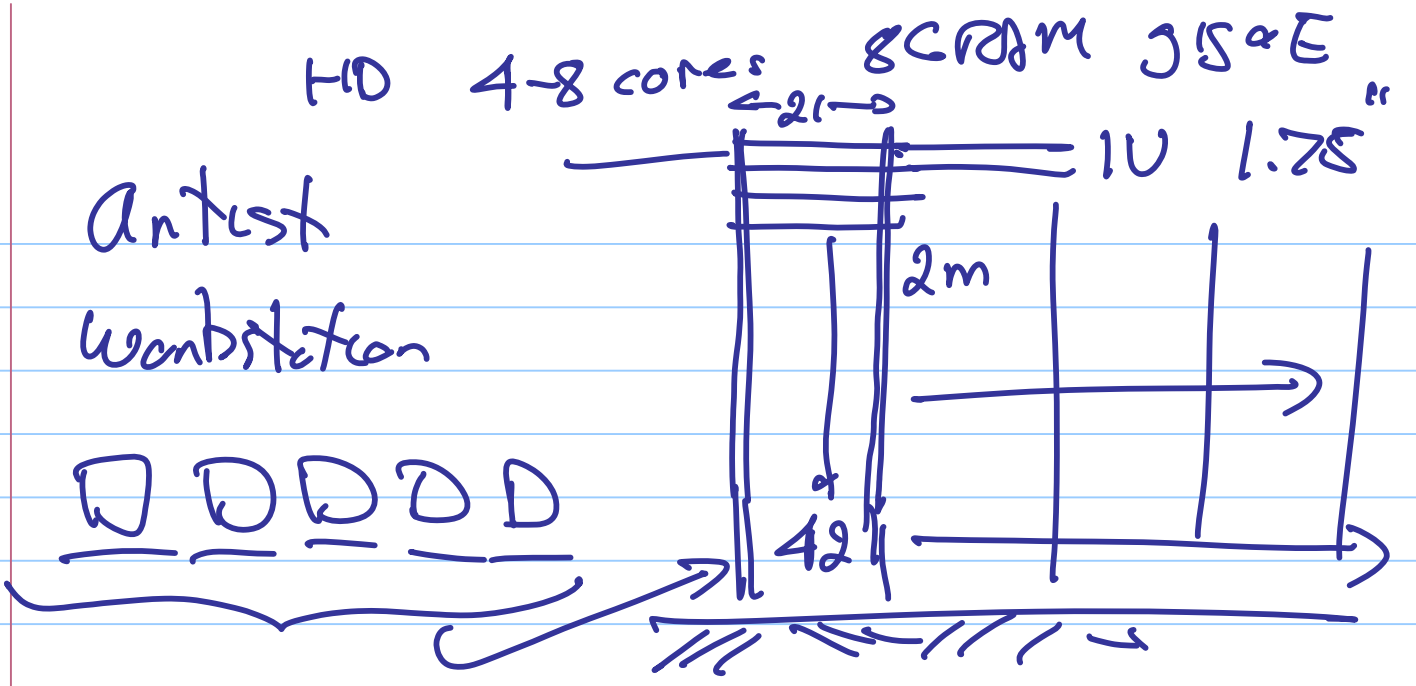
HP Superdome
↓

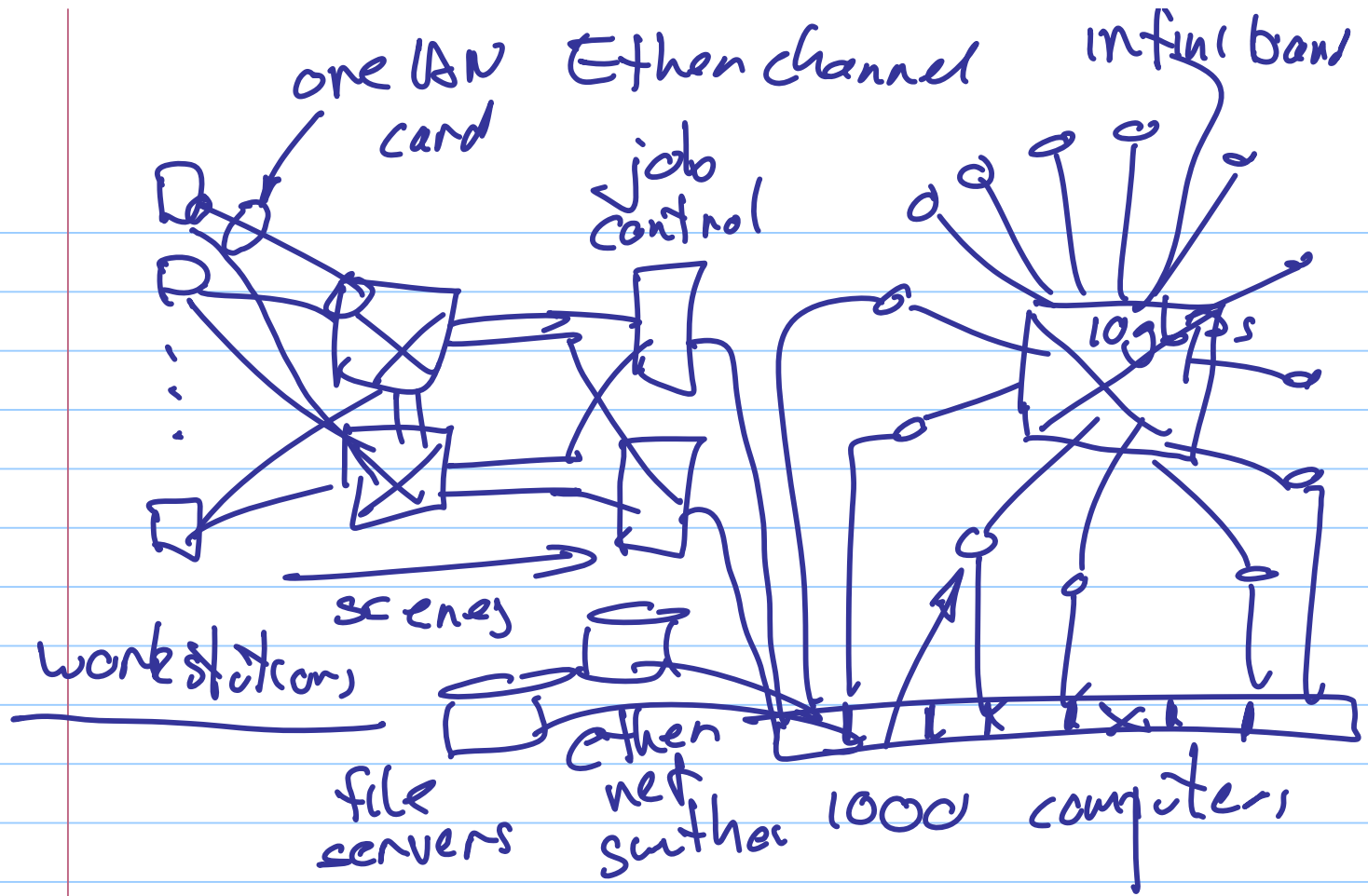


1920
1080p 1080

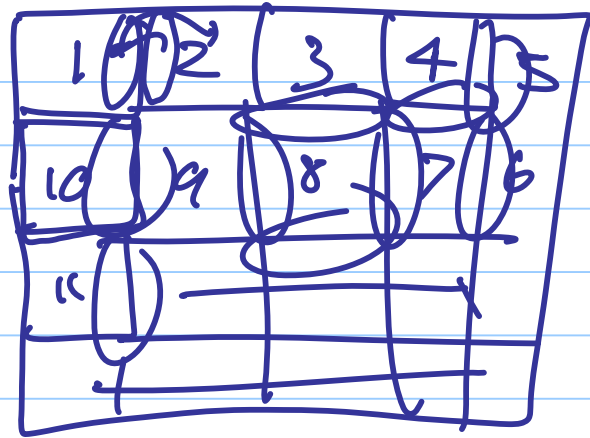
24 fps
2 hour

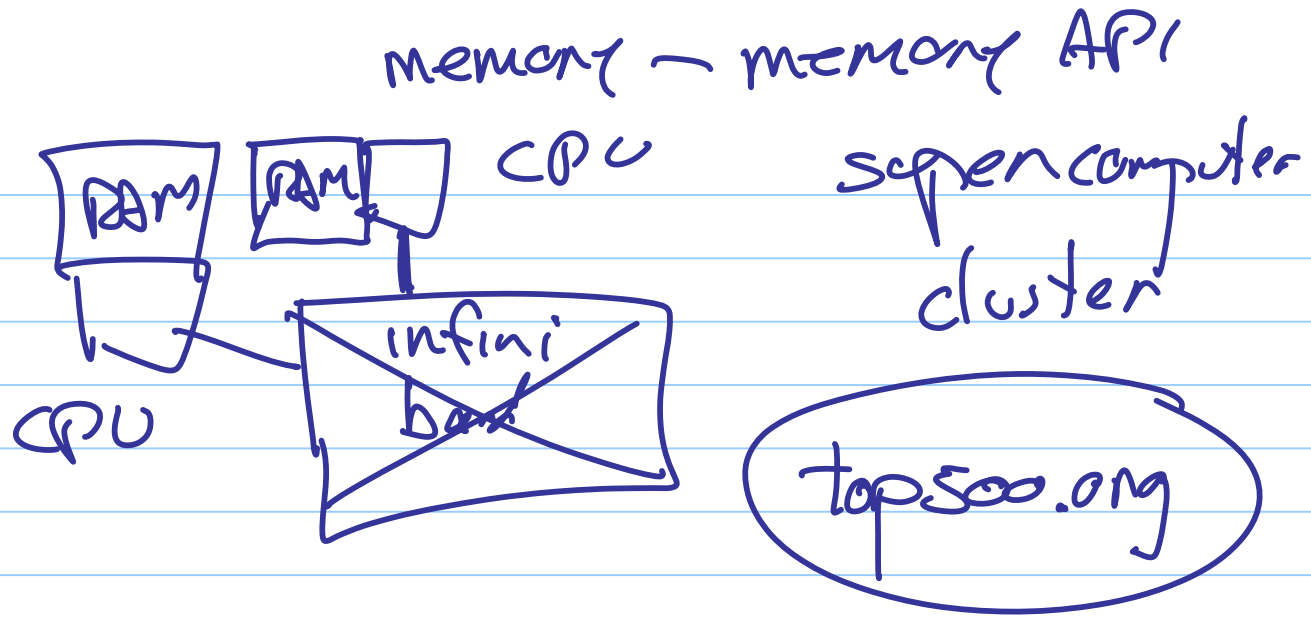
Blu-ray
50GB content





povray.org





high speed
low latency

✓ weather modeling

✓ astronomy 3D mapping

✓ seismology

✓ MRI imaging

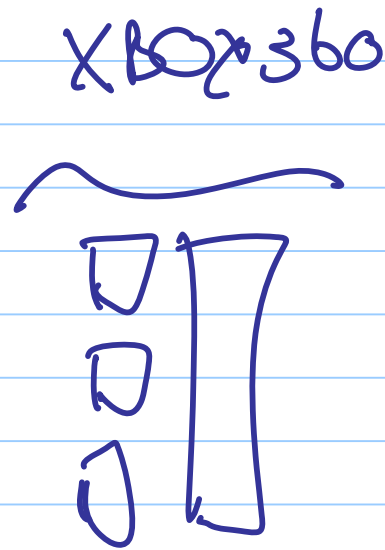
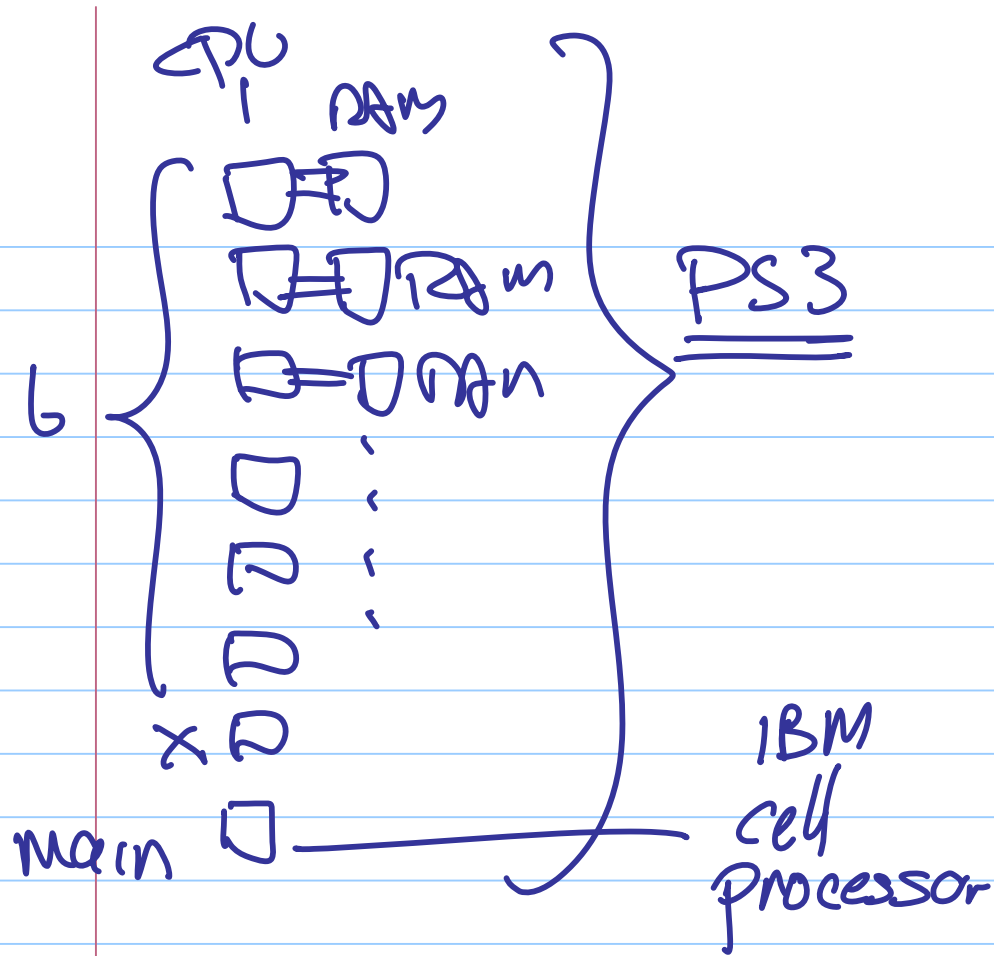
✓ climate modeling

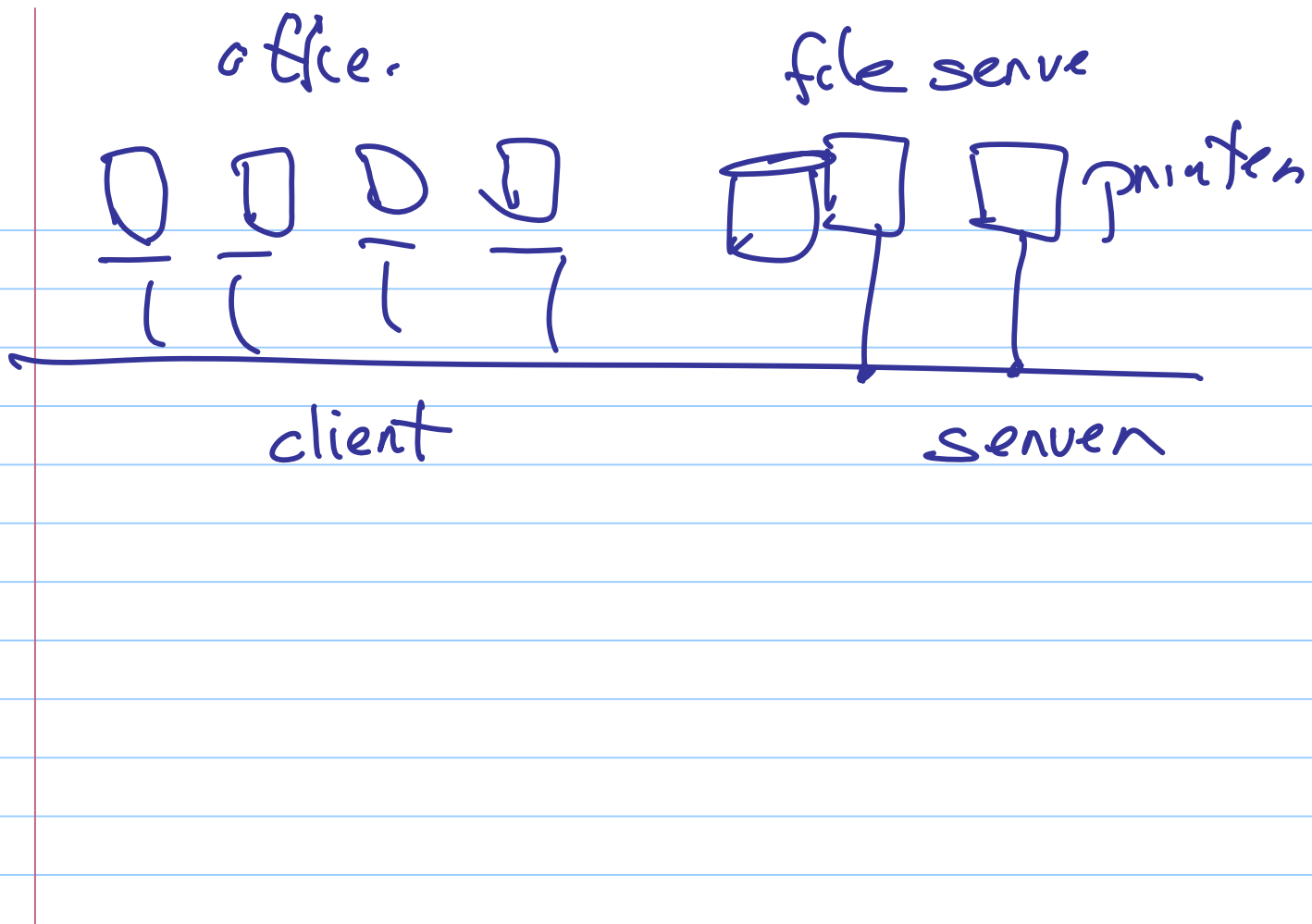
✓ nuclear bomb model

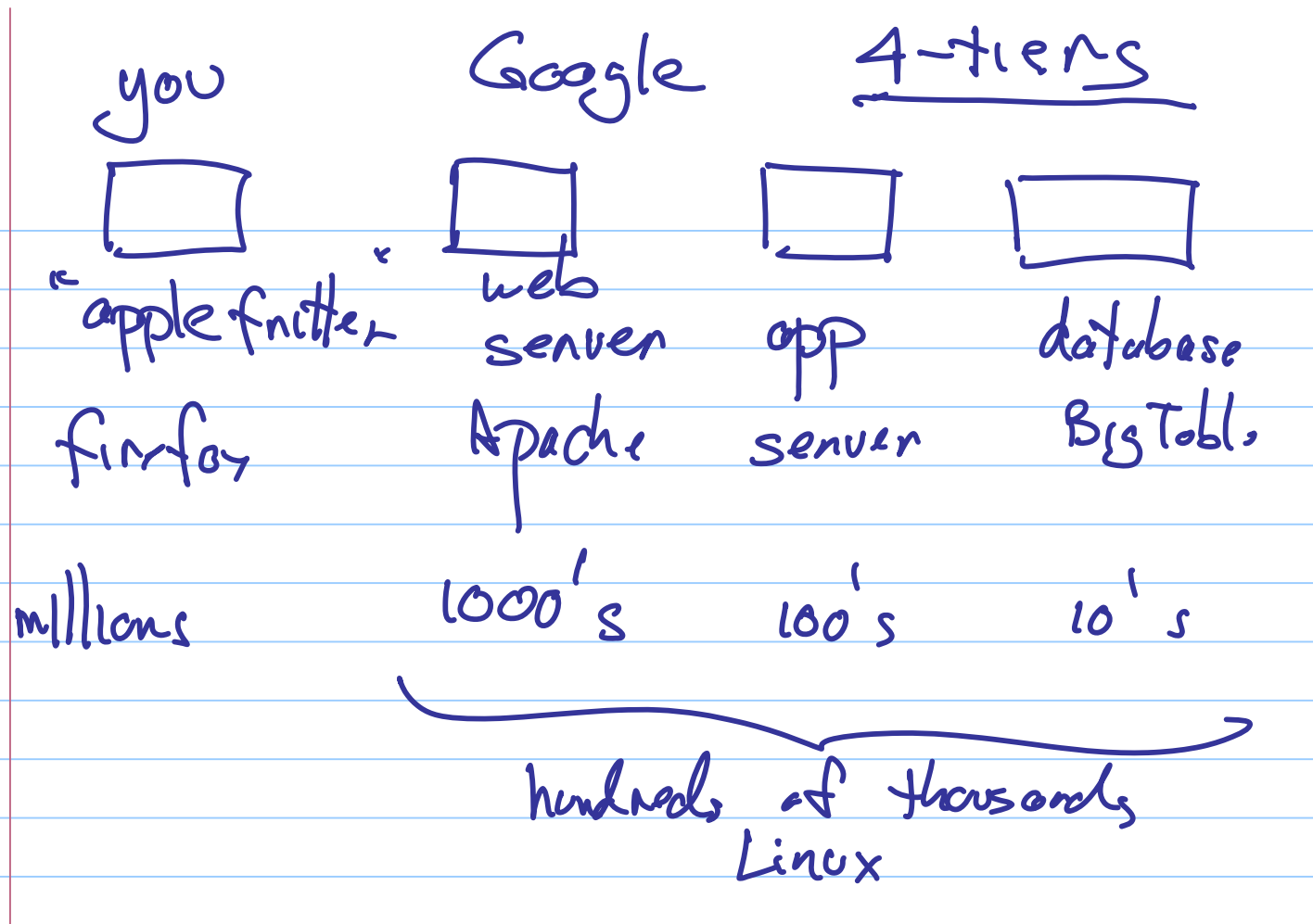
} distributed

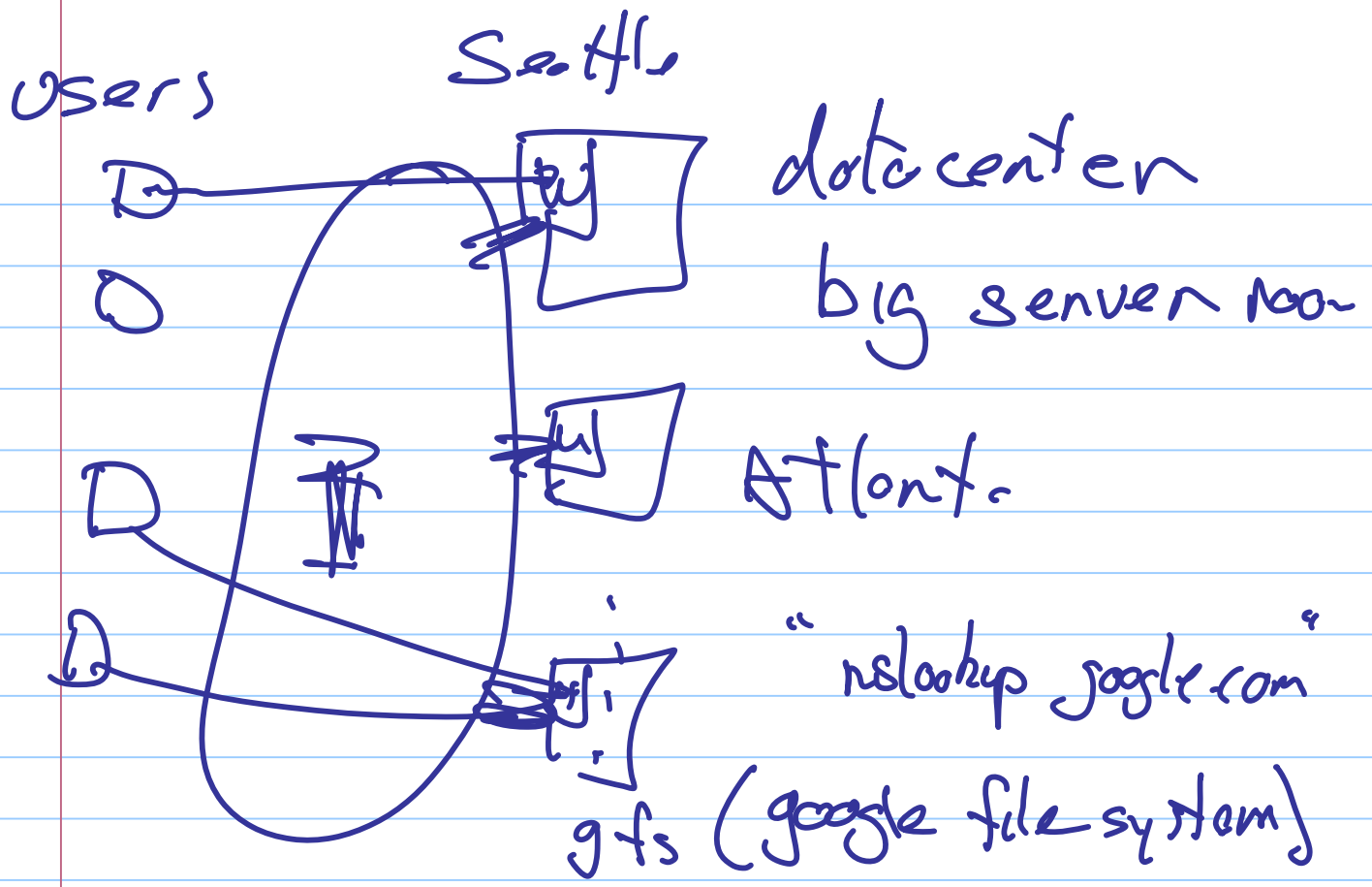
computing

(infinitely)









RPC

$$x = 13$$

$$y = \sin(x)$$

$$z = \tan(x)$$



complex

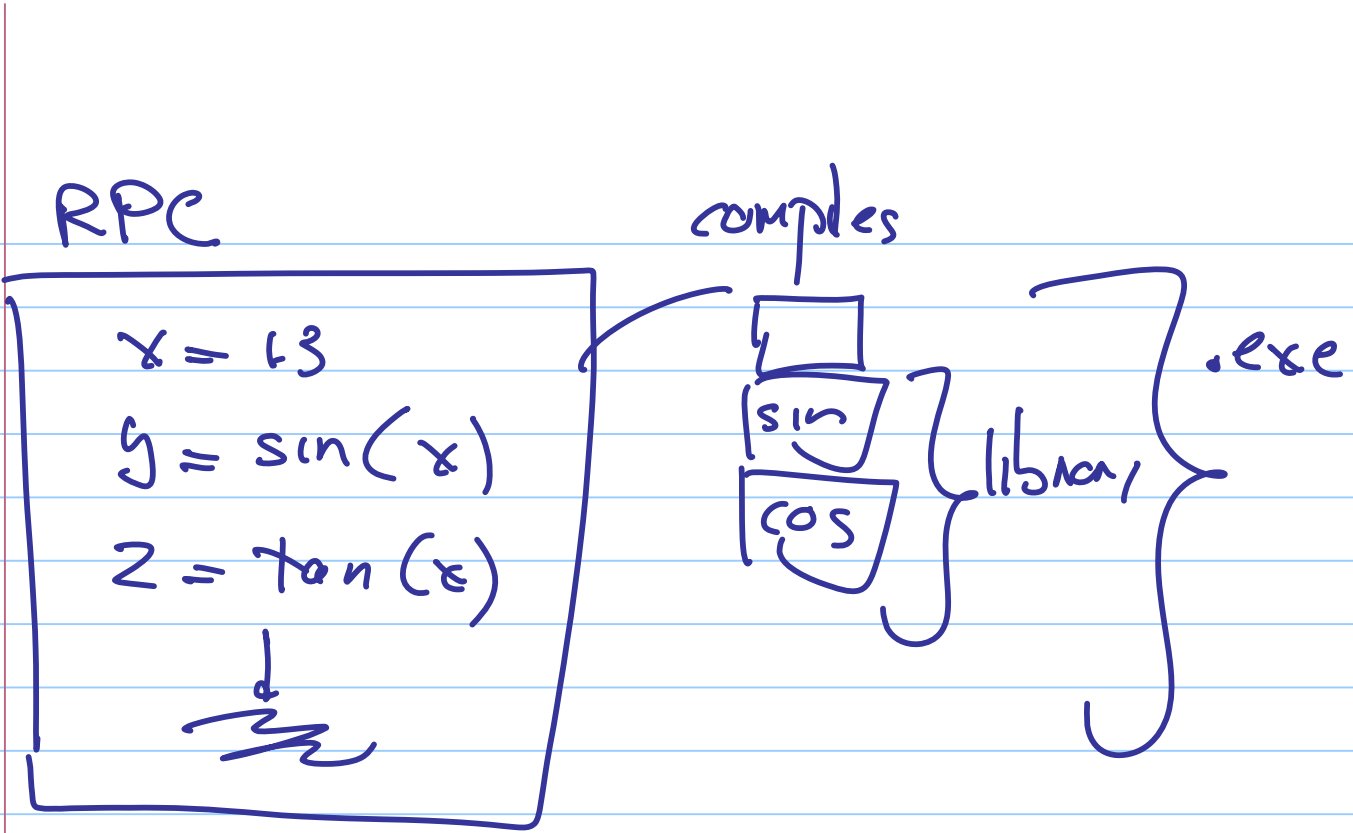


sin

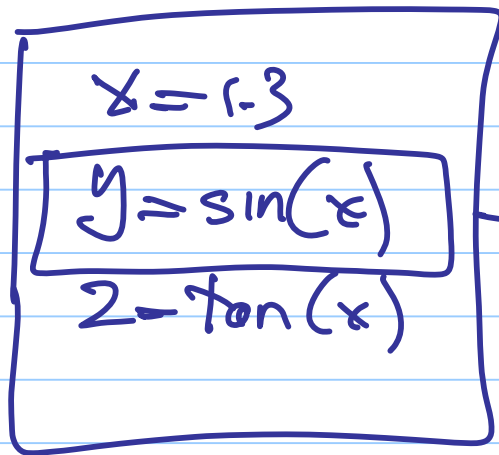
cos

library

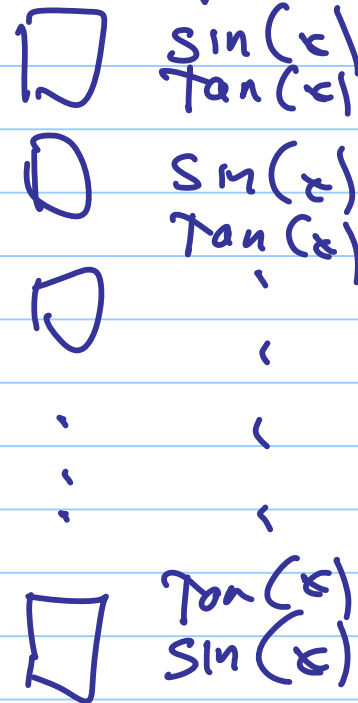
.exe



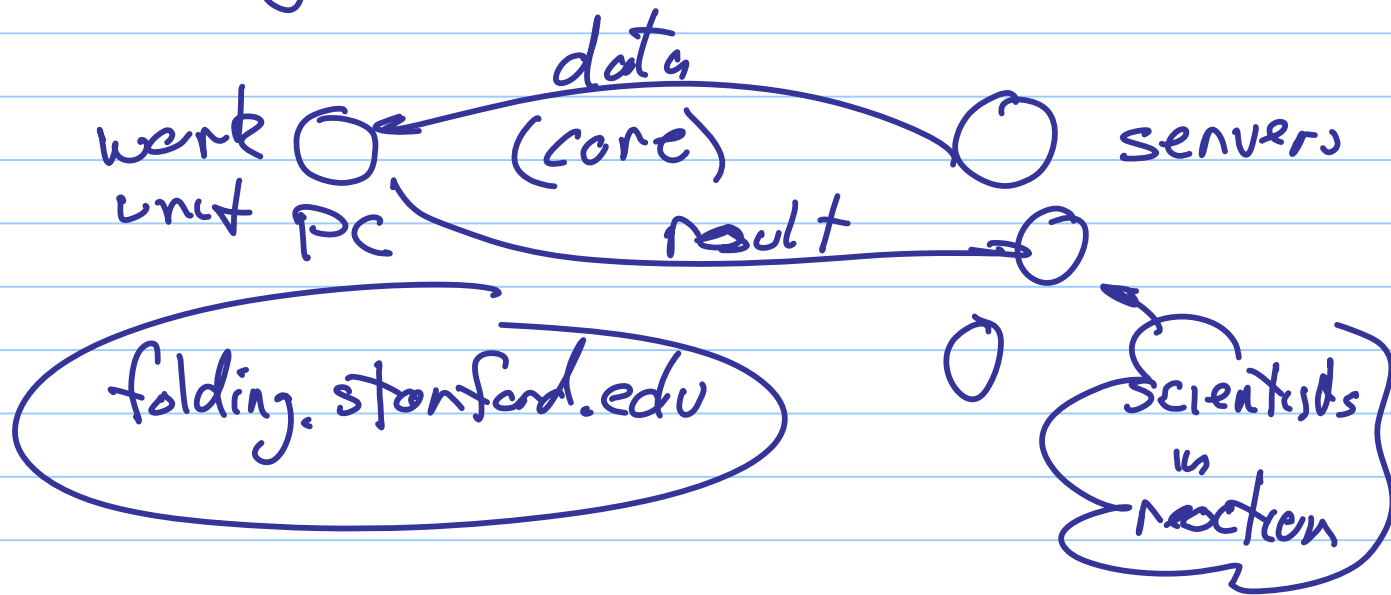
(DCE) RPC (DCOM)



10 computers



Folding@home (SETI, genome)



androidstorm

username

2630

team

1.9 million points

