Nov 9th

Study:
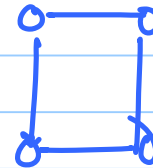
1) Bisection Bandwidth

2) Hypercubes.
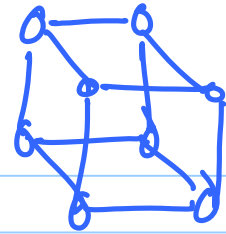
Order 1   o———o

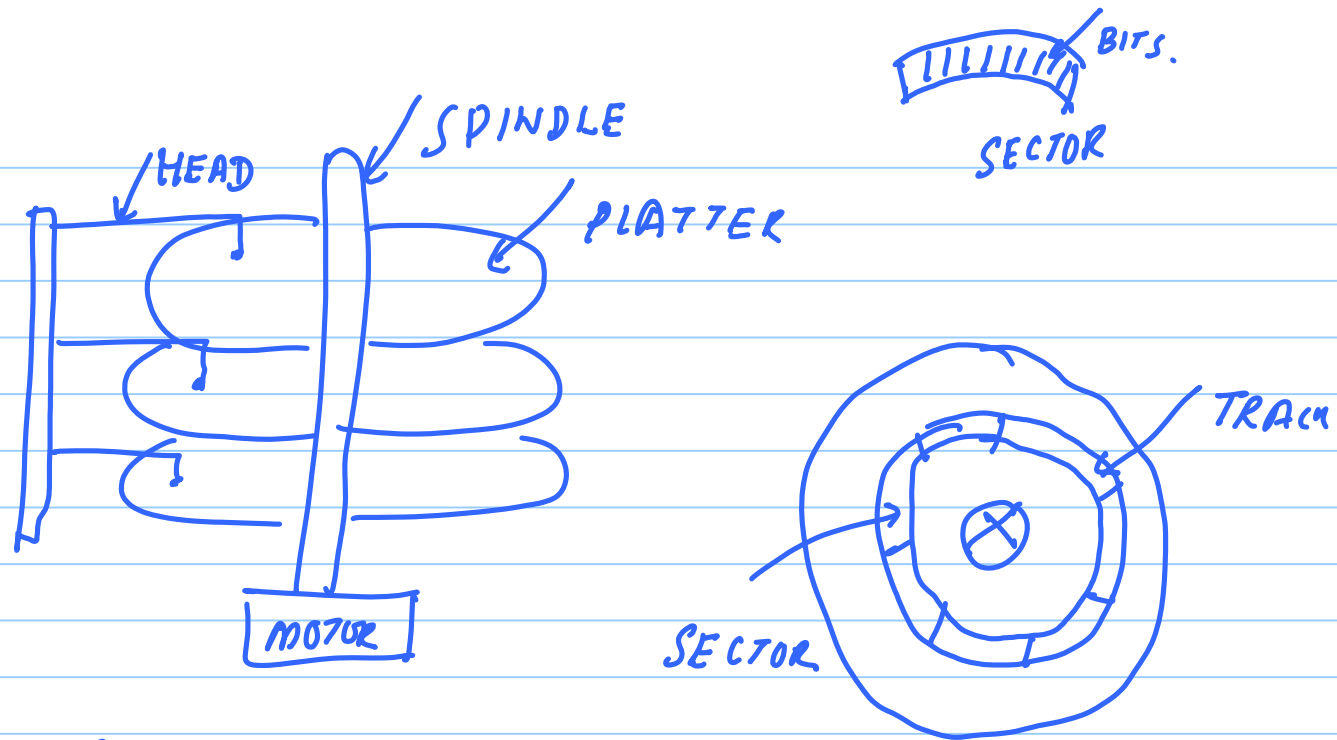Order 2

Order 3

Replicate & connect corresponding vertices.

Storage

P_1 P_2 . . . P_n

CACHES

MAIN MEM

HARD DISK

150ns

15ms.

Volatile

Non-volatile

HARD DISK.

HEAD

SPINDLE

PLATTER

MOTOR

BITS.
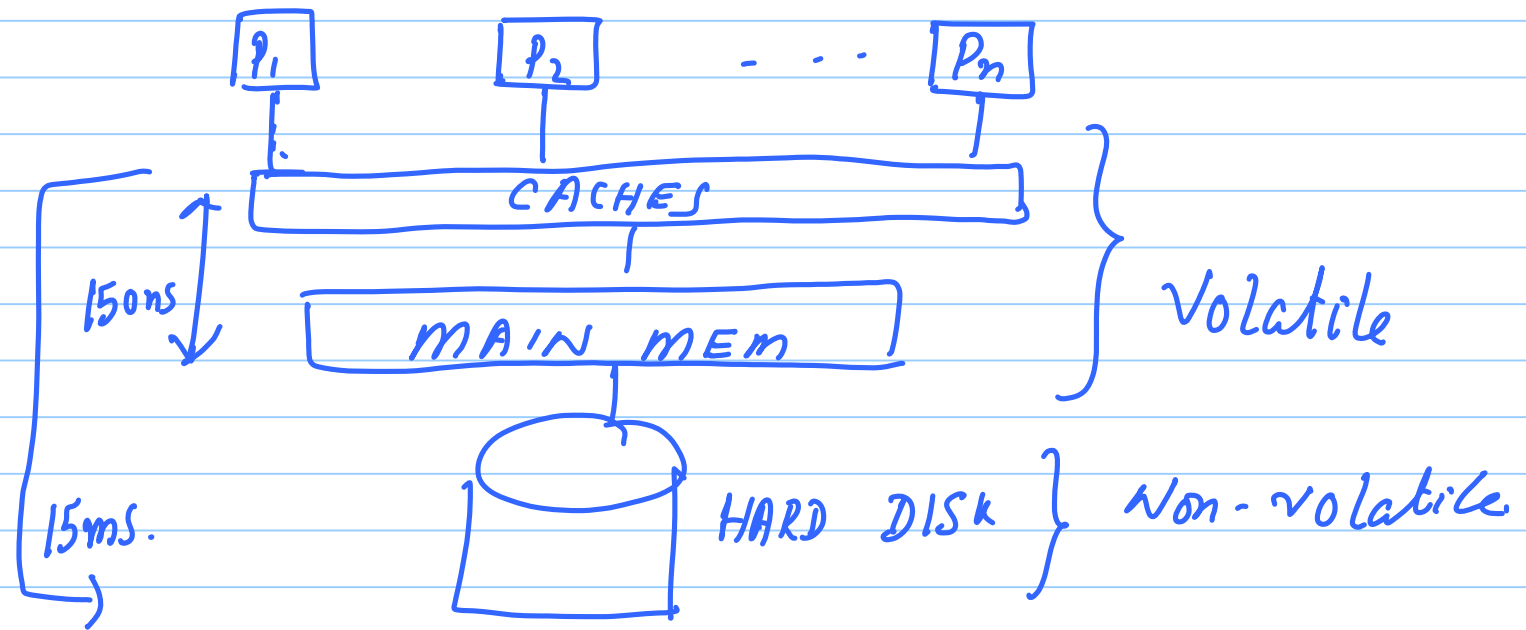
SECTOR

TRACK

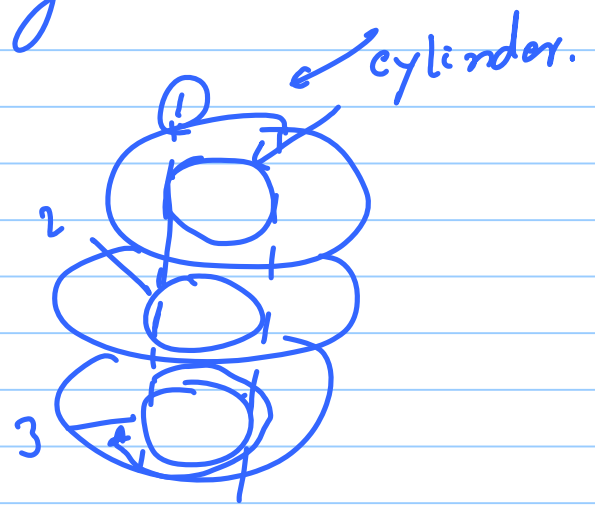SECTOR

HARD DISK ACCESS TIME

↳ Seek Time + Rotational Latency
(track)   (sector)

+ Data Transfer
(Bytes)

Organization,

cylinder.

One Platter.

Serpentine Fashion

0

2

3

DISK

| PHYSICAL | | ← —— DISK CONTROLLER. |

① Reorder accesses to minimize head movements.

② Logical to Physical Block Mapping.