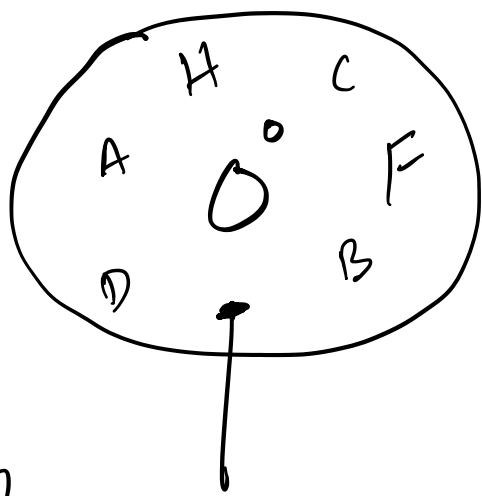
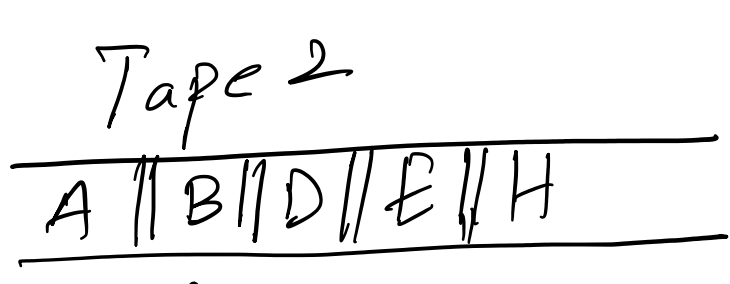
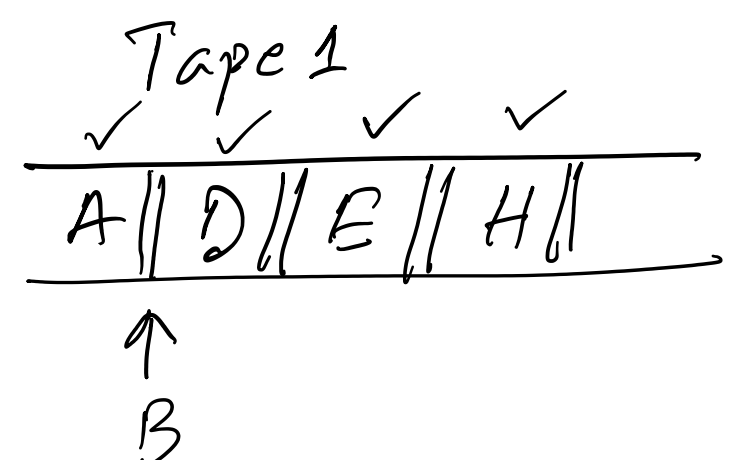
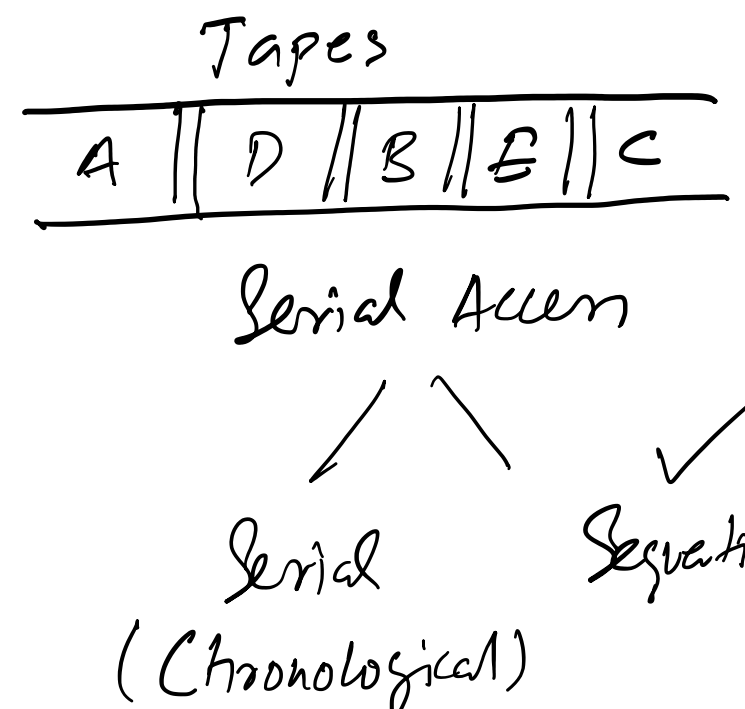
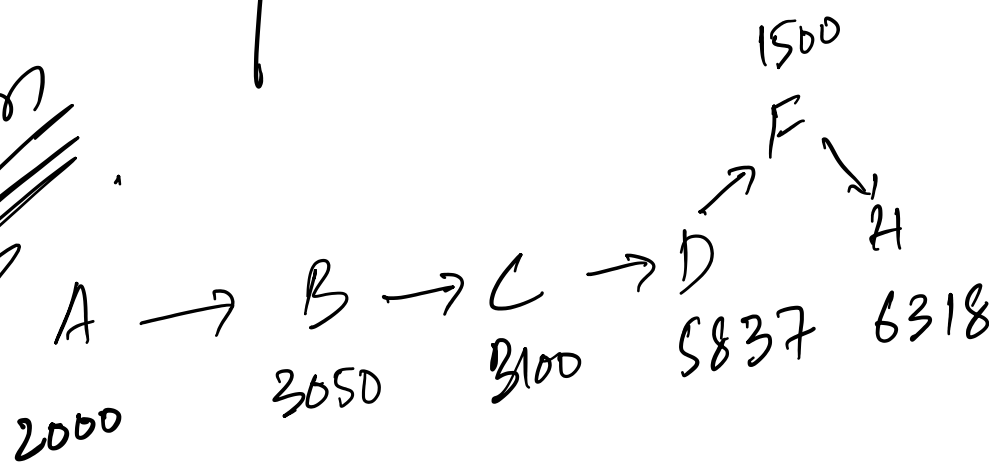


CONCEPT

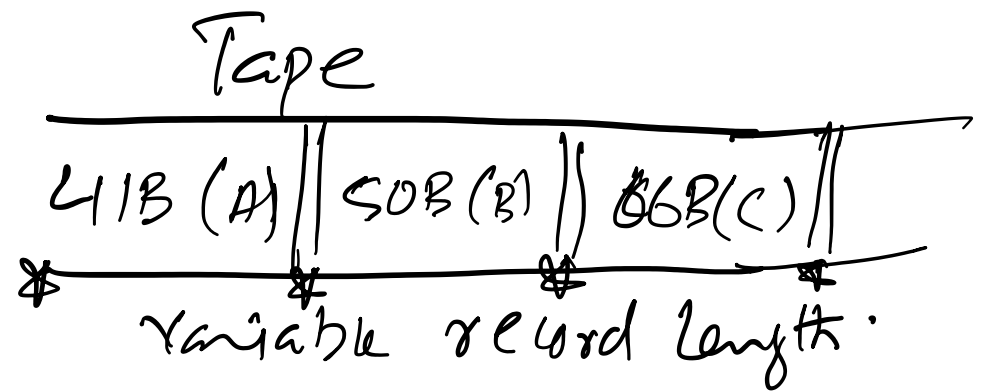


Random Access



Delete Tape 1
Rename Tape 2 To Tape 1

For serial/sequential files record size is variable.



Random can't afford to have variable record length.

1
17
24
1
17
+49
66

17B Fixed

+5	15
+4	4
+15	30

41 66

StudID	INT	4
StuName	String	5/14/15
StuClass	String	4
StuAdd	String	15/20/30
StuFee	Real	4
StuDOB	Date	8
IsFeePaid	Boolean	1

For Random Access Files we have to FIX record length for all of the records.

Fixed Record Length

Start			
1	0		0
2	76		75
3	151		150
4	226		225
			300

StudID	INT	4
StuName	STR*20	20
StuClass	STR*4	4
StuAdd	STR*30	30
StuFee	Curr	8
StuDOB	Date	8
IsFeePaid	Bool	1
		75

TO SAVE A RECORD

OPEN "abc.rnd" FOR RANDOM
INPUT Data
SEEK 1
PUTRECORD "abc.rnd", Data
CLOSEFILE "abc.rnd"

- Writes
- overwrites
- append
- creates
- Input

TO READ A RECORD

OPEN "abc.rnd" FOR Random
SEEK 2
GETRECORD "abc.rnd", Data
CLOSEFILE "abc.rnd"

Fixed record size gives us the opportunity to calculate total file size.
E.g. $8 \times 75 = 600$
Function: LOF()