Discussing Unix v6 File system design principles assign2 is variant of it Flepoth resolution - v. similar to reading domain name to IP adds File system: configuras stretch of memory to store info like RAM! into in RAM is byte-addressable must read 8 bits at a time default unit of memory in hard drives are sectors (sector addressable) ~512 bytes (not always) dire exparts on API (hadware API) (software abstraction) need to take this system and "iment" downent storage FS often inverts this carept of "black" (in software, not hadrice) sectors are physical (historie) storage units sometimes are the same size 100 101 102 512 bytes My appload a.txk 1025 bytes [{{\}}} b.mp4 512 (byles in zize) loz (location) REGULAR (File type) 1025 105, 107, 102 are supposed to be fixed-in a data structure... what happens when list of used seutors this portrular inche is reserved for root directory gets arbitantly larg? -where do thouse get stored? has do we account for the name of the like inade table: linear away we knests "smeared" over multiple sectors atxt: struct inode & 512 See\_t see; 32 bytes, so fits "sing" in a 03 ushorts blocknums [8]; sector of other modes (like REGULAR byte type; I want these trades as small as possible to live in possistat strange on hool done have to End inodes to Find the data payloads Friday: tackle large file problem (that '8" above limits us to size 4096 Files) Is but not every blocknum points directly to the data psyload Support pathnames, too.

... point to a sector that stores more block mans!