COMSW4118-22-1		11/28/2017
HW6 = no demos! Proman a	electron is Files an	male le
HW6 = no demos! Promany of Storage / Disk File sys	tem - key issues are per	formances reliability
THE SECTION OF THE TAIL	11+ 11C/10:	
FAT - replication gives g	performance & retrabblity	are poor Tives good performance
PACLEX Ed)s What I July	X MIEC: ALLA DWOX MAD	or thode
Index (pertile) fixed libe)	ad lila line an order table	WI each index entry
Blocko	orntry to a block entry of	I the file (site of Endex
Index (perfile) fixed site) Block o Block; Fred Site o Block; The state of th	idex is arrival for reliabilit	y, but it is small (can
a de contra la c	and per tile (caust love	all files) dud)
Block = fixed Size must of	ndezgasestored on disk @ s	pecial (ocation.
Storage on the disk (often = from	re) & typically 6 10 cus don't of	in filer are curler
→ Real file systems are not st	leaver to I de . hard Ink=	removing lak removes
→ Symlink = removing the Ink inode site is fixed (type traccolling in incode loss come	(milly): Clock (ite is fixed	too! tile
typically, an invode has around result in wasted space (m	nd 15 entroes; Blocks re	that is large will
regult in wasted space (m	ws+files will be much sim	al Dalder Pubaca.
- to an intercurally is used wit	4 maxed direct and marr	Enter and a block is =
result in wasted space (M) to an intercurrency is need with Index: (ex. 15 entries) of and development (12 entries)	and scuy a disk address is 40	dish Page=4K=
3 direct (11 ent	its) -> can store 11 brock	1000 = 2000 flood
3 single-indirect	(2 entres) -> can store 10002	blocks & 46B
Sangle-indrect 3 double-indrect 3 trople-indrect 15 NOT a drsh block	t (1 entry) = com store 10003	blocks & 4TB
15 L. IC NOT a disch Block	it's a reparate (much s	maller structure) and
indes are pri-allocated (The	ertain dish blocks). The	indered blocks are
1 11 11 Hat WILLING 17 C	() () () () ()	
Goot Superblock i modelist	inode = 64 bytes every?	hing gets setup when
Boot Superblock i mode List	data blocks Inode	list is fixed, lots are
Boot block tor Whole filegystem	Colo data moderect blocks	allocated though, since

