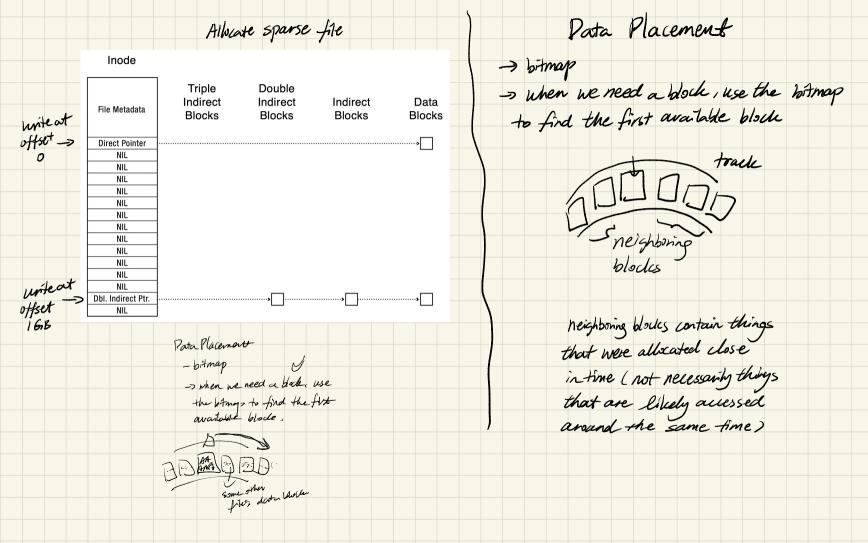
11/18 FS Designs Direct Pointer tracks 4KB Indirect Pointer tracks 2MB Double indirect tracks 1 GB Data Allocation -> contiguous, linked, indexed = Triple indirect tracks 51268 Fast File System (FFS) Inode Array Triple Double Indirect Indirect Indirect Data -> designed to work well on disk Inode Blocks Blocks Blocks Blocks -> data layout = multilevel index File Metadata **Direct Pointer** Block Size: 4KB (8 sectors) tracks Black pointer: 8 bytes div DΡ of data & supports both small & large files DP **Direct Pointer** Indirect Pointer Dbl. Indirect Ptr. Tripl. Indirect Ptr.

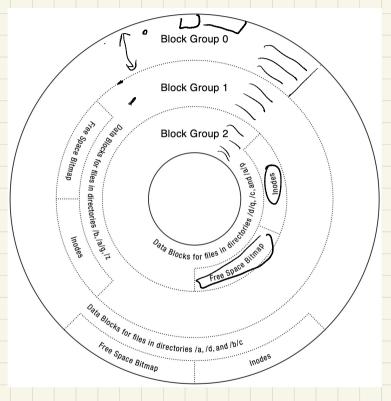


-> FFS places things that are likely accessed together in the same block group

> -> data blodes for the same file

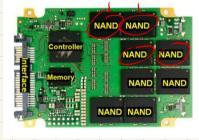
-> netadata le data for a file.

-> files within the same directory



Locality Heuristics

Free Space Resure (~10%)



NTFS-				
MFT	Master File Table			
record {				
1166,				
		,		
		small enough	•	
	MFT Record (small file)	1 to fit		
	Std. Info. File Name	Data (resident)	(free)	
	metadata			

