Alg 11/9 Men us, Disk Men Fast, Disk slow 10-70 ms Vs 3-9 ms 1) year progress Access speeds have doubled Data storage has increased x 30 Performing A Disc Read Seck Time + move head to correct cylinder Rotational Latory & The to reach correct sector by rotation Transfer time & Time to read a sector of data If not all together, data read takes ~ 4 sec nother than 1/2 sec when dota dose together Linear Indexing & Key/pointer pairs to Linear files · If index too large, do rarges meteral of main. records For Trees Subtrees in some black 2-3 Tree · Same as BST, but 2 values per node & middle insert · gows upward · Short, "rebust" trees · never used