HW #4

1.	SIDE TO MEN SA SIDE SAN BEEN BUT TO BE LE
	a. 1 kB x 500 sectors & 6 tracks 10 cyl = 3.00×107 kB/200/6
	a. 1 kB x 500 sectors x 6 tracks x 10 t cyl = 3.00x107 kB/200 kB Sector track cylinder disk = 188.61 GB
	b. 6000 rot 1 min . 1s = 10 rot = 10 ms at worst. min 60s 103 ms rot
	On aug, 5 ms. 1 not + 10 ms = 15 ms on aug.
	c. 1 tuple 1024 bytes - 14 tuples. 1000 tup - 71 blocks.] 72 bytes block block 14 tupl block
	d. 15 ms for first read, then 0.02 ms/block. 15 ms + (0.02.71) ms = 16.42 ms.
	o. Is me for track change + random block access, on aug.
	e. Is ms for track change + random block access, on aug. 0.06 ms to read 3 sequential blocks.
(15ms+	0.02 ms. 3blocks) 24 dusters = 361.44 ms to read 24 dusters block cluster)
013101	
	f. n = 1024 bytes => 256 keys hode
	109 (103) = 1.42 blocks to read = at most 2 blocks.
4 18 -	In this case, using a B+ slows down exec.
Tar.	So, at most 15ms + 0.04 ms = 15.04 ms.
	The B+tree is helpful. Need to do 10 random I/Os to retreive all 2005 tuples (since there are 10 classes per
a.	year).
u.	a. 1150 116011 b. Usoll 1
)	110 1/201-1/30 1 1/50/601-1/801 1/30 H 1/50/601
	2a is wrong. Should be []50[] Need to make sure path length from
	[]20[] []80[] root to leaf is
	equal for all leaves.
	[]10[]20[] []30[] []50[]60[] []80[]

61 143 3 max fanout=5, max order = 2. max keys = 300 mm
max height: $2^h = 300 \rightarrow h = 9$ min height: $5^h = 300 \rightarrow h = 4$ The contract of the state of the second the second of th Km + Cut Ht was land ore I have before the a factor best contract of the and a second district The decide of the second of th we (10) - Less descriptions of more of unite

to see towning