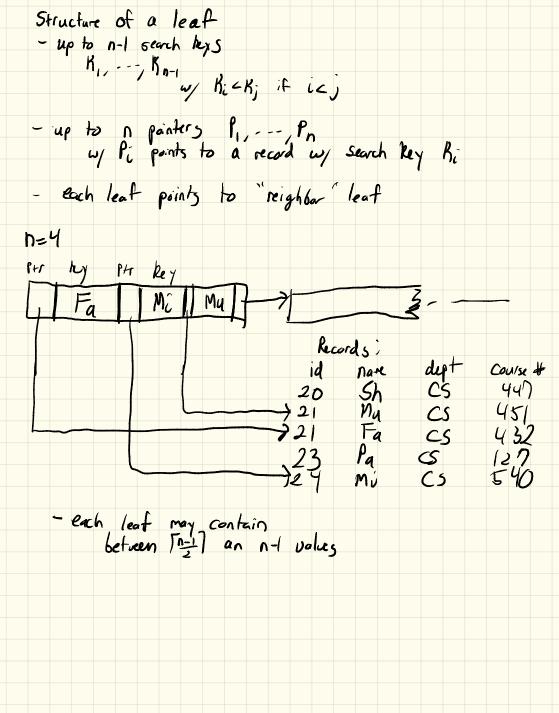
B Trees What makes a good index? - uxful - Small - make finding quicker 2 types of indicies; - check existence hash - range queries; orded index Things to consider - Access type single alt us range - Access time, how long to find Something - Insertion time: - Deletion time: - Space duf search key as attitue used to lookup a record About B' tree! - balanced tree w/ every path from the root to a leaf has some length - each non-leaf node have between 527 and n children (where n is fixed for the tree)



IV	וע	100	·F	No	avo	-												
							to	leas										
					3,	01			ر									
	F	but																
		سد	o	1/5	a	Z	to	σŧ	lir I	ha	des	_						
		_	1		1 -	,	1.	ι.	•									
			Ŋ	O	ptr	TO	E) 6	1 Mg					~~					
		_	La	ch.	100	de	hal	15		bet	ren	١ .	13)	ans	٦٦	ptr	۲,	
			h	. (	) 1		6046	Ĺ		- 11		$\mathbf{C}$				1	J	
			#	of	- pr	15	QM.	1,145	C	s Ile	d	MAN	out					
					•													
			1		Pa	,		ve	^						<b>A</b> )			
			$\overline{}$	_		`			Ц	-	+-+							
											\				-1			
	V								1	4					_	_		
- 1		U		TT	ΛA ^	1/	<u>л</u> Т	ጎ	1	1T	۵		V	H	7	\ F	Y T	~
	1	10	1	$\mu_{\perp}$	M	۔ الہ	14	#	_	LI	Pa_	_ //	1	11	15	76	[UN]	2
	17			7'	1			1		$\mathcal{T}$		7	-	7				
				l	/_					/		/		/				
				L	/ 1.	eco	, rd								/			
			$\overline{}$	$\rightarrow$	-	1			$\leq_1$		/							
				( '	1	)	4		r									
					$\lambda_{i}$		'		7									
				\	Ke	١/ ١				,								
					, ,													
						1												
						)												
P		۔ ے	ſ	1		,		0	-1									
N	7711	2.0	arch	` T	TCL	U	'5	D	tre	e								

Bin Seach tree; height log\_ (1,000,000) = 20 B-tree n=100; height log\_so (1,000,000) = 4