## EC330 HW 61

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-	(a) In an AUL tiee, the max I of
	child nodes w/ no siblings is n/z
	at the nost, where n is the top
	total nodes. This is die to the fact that
	the difference between heights of left & right
	Subtrees 4 / for all n. Therefore, only-
	children of AUL trees have to beclaimes, which
	have a unique parent node that isn't an enty
	child. Thus, the nex # of only-children is the
	game as the max to of leques, n/z.
	b) The order where elements are inserted into
	a B-tree dos notter, due to the properties
	that insertion order-corrects which key (s)
	are pushed into a porent node (s) when
	a node split is necessary. This can be
	seen to be tive in the following counterexample:
	M = 4
	Insert (1,2,3,4,5) Insert (2,3,4,5,1)
	[2,3,4]
	[] [3,4] (2) [3] [1] [3,4]
	[1] [5,4] [2] [4,5]
	17 (7 (8)
	[] [3,45] (3) [] [3,45]
	11 13,131 [1,3]
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