		Juy BI	elloch (Le	ect 3)	[2018/07/11]		
	1, 2, 3,	Work	efficienc	•			
	5. As simple as sequential Co. Sequential as a syproduct.						
	Open Question: Does there exist a bredth first search that achieves 3,4.						
Problem with pure array 1. persistence (immutability) requires copying, see Purely functional arrays (POPL 17) (Haskell is an example							
	2. Solution: new type system of a pure language keep a history of changes with an impute cost seventics.)						
New Jersion tree							
	Goal: everytime ne splate, it's cheap. Here they're all cheap except updates 586.						
	Lead 5			Interior Node N.		v=(A)	
Sub	A	0(1)	, <u> </u>	0(log n)	O(logn)		
uplate Inject		0(1)	$\mathcal{O}(1)$	(n) (v/+n)	O(logn)		
J							



