

Suppose: associate a "random looking" value (an int) to each object wit property: 1) getVal (obj) -> gives value associated to obj; 2) values appear random - hard to find correlation between get Val (0) and get Val (4) 3) Values reproducible: multiple calls to getVal(o) will be same 4) getVals respects semantic equivalence. -> o.equals(p) then getVal(o) == gitVal(p) 9 Given get Val method how to implement Unsorted set as efficiently as Possibility: Store pair of (obj, getVal(obj)> make comparable with this Store pairs in say, AVL tree. -) add, find, remove in O (logn) the Carsume getVal is O(1) Can we do better?
- faster? - simplex?

	> Suggestion: H	2100	+Val(o) to deferm	whe
	100	lex at all	use get Val (0) to deferm	
			the same in the state of the same of the s	
	Example	Values	123456	
	"red"	5		
	"orange" "yellow"	4	OICT I'll contilling	d")=5
	"green"	2	add ("red") - getVal (red add ("blue") =	= 3.
	"blue"	3	find ('green") - 2	
	"violet"	3	add ("violet") - 00)	2811
	The second second	***		
=	Dealing with collisions:			
	"Chaining" each index of array refers to linked list			
	>add: search for elt:			
	1. go to associated indes			
	2. search list 3. affend element if not found			
	-> find: do 1 & 2 above.			
And a second of the second	-> remove:   and 2: remove elt from lost			
	if found.			
·×	prev. example: 123456 1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+			
		("vi»		
	Each index of away refers to head of linked list.			
	do aun.			

