Data structure review

	Arrays		Linked-lists		Binary search	Balanced	Hash
	Not sorted	Sorted	Not sorted	Sorted	trees (avg)	search trees	tables (avg)
Search(x)	O(n)	O(lgn)	O(n)	O(n)	O(lgn)	O(lgn)	Θ(1)
Insert(x)	Θ(1)	O(n)	Θ(1)	$\mathrm{O}(n)$	$O(\lg n)$	O(lgn)	Θ(1)
Insert(x) (dup search)	O(n)	O(n)	O(n)	O(n)	O(lgn)	O(lgn)	Θ(1)
Delete(i)	Θ(1)	O(n)	Θ(1) (DLL)	Θ(1) (DLL)	O(lgn)	O(lgn)	Θ(1)
Delete(x)	O(n)	O(n)	O(n)	O(n)	O(lgn)	O(lgn)	Θ(1)