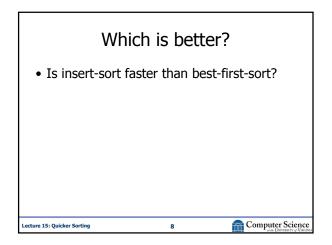
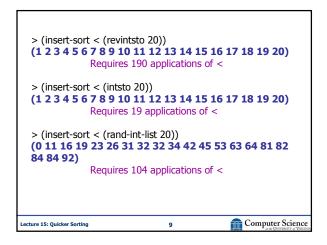
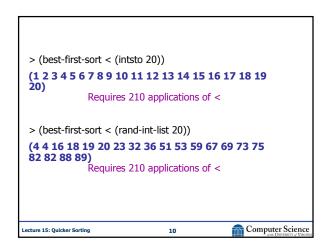
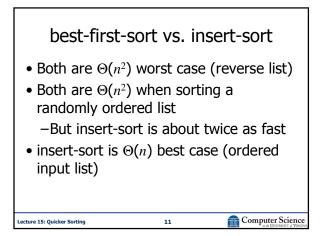


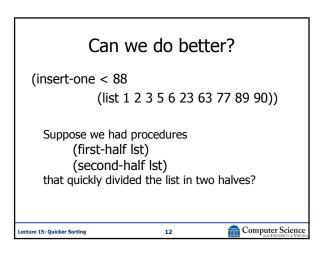
How much work is insert-sort? (define (insert-sort lst cf) (if (null? lst) null (insert-one (car lst) (insert-sort (cdr lst) cf) cf)))		
(define (insert-one el lst cf) (if (null? lst) (list el) (if (cf el (car lst)) (cons el lst) (cons (car lst) (insert-one el (cdr lst) cf))))) How many times does insert-		
sort evaluate insert-one n times (once for each eler	?	running time of insert-one is in $\Theta(n)$
insert-sort has running time in $\Theta(n^2)$ where <i>n</i> is the number of elements in the input list		
Lecture 15: Quicker Sorting	7	Computer Science











Charge Exam 1 is out Friday, due Monday Exam Review, Wednesday 6:30 in Olsson 228E