	Eac L
	Esc 4
1	Worst case complexity for quicksort:
	Worst East somplisally to portion
	Worst case occurs when we already have
	a sorted array and the box tition splits
	a sorted array and the partition splits the array from the first element
	aning was really
	rest of the
N 2 0	elements
	ρ
	This step keeps repeating further and
	This step keeps repeating forther and further down the array which leads to:
	[N + (N-1) + (N-2) + (N-3) + + 2]
	0(12)
100	$= N(N+1) - 1 = O(N^2)$
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