Name:	Name:
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artition Loop Invariant Arrition Loop Invaria	
	Loop Invariant invariant for the Partition function, and then prove that the partition procedure is owing that the loop invariant holds for initialization, maintenance, and invariant (write a statement that can be easily proven true or false, that references urpose of the loop, and references variables that change each iteration): ization (show that the loop invariant is true before the loop starts):
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2. Initialization (show that the loo	p invariant is true before the loop starts):
· ,	
3. <u>Maintenance</u> (show that the loc	op invariant holds when executing any iteration):
4. Termination (show that the loo	on invariant holds once the loop ands):