

**7.1-4.**

How would you modify QUICKSORT to sort into nonincreasing order?

**Answer.**

To make QUICKSORT sort into nonincreasing order, we just change line 4 in PARTITION to be

**if**  $A[j] \geq x$

Since the rearrangement of subarray  $A[p..r]$  is in fact accomplished by the **if** conditional in the procedure PARTITION.

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