

Example: Quicksort

How do we know the output is sorted?

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$isSorted([]) = \text{True}$

$isSorted([x]) = \text{True}$

$isSorted([x_1, x_2, \dots, x_n]) = (x_1 \leq x_2) \wedge \dots \wedge (x_{n-1} \leq x_n)$
