Sorting	item # comps	#swaps/shifts
Bubble	$\frac{n(n-1)!}{2}$	$0 \cdots \frac{n(n-1)}{2}$
Improved Bubble	N-1-2n-3 2n-3	$0 \cdots \frac{n(n-1)}{2}$
Selection	<u>n(n-1)</u> 2	D··· v-/
Improved Selection	$1 - 1 + 2n - 3 \rightarrow \frac{n(n-1)}{2}$	D n - 1
Insertion	$n-1\cdots \frac{n(n-1)}{2}$	$0\frac{n(n-1)}{2}$
Improved Insertion	? *	0 n(n-1)
iL	 	
4 5 3 1) 2 1		Joesnot hold

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for *