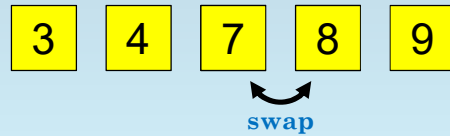


Loop Swap Sort! (Step 3)

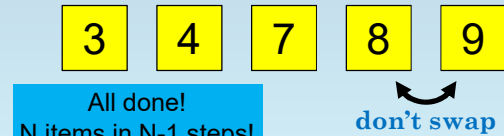
Compare pairs from left to right.



Swap iff right value smaller than left value.

Loop Swap Sort! (Step 4)

Compare pairs from left to right.



Swap iff right value smaller than left value.

Counterexample for Loop Swap Sort

Try “loop swap sort” on these...



... oops.

Loop Swap Sort is an Example of an Algorithmic Error

“Loop swap sort”

- is an example of a **logical algorithmic error**.

The algorithm

- works on some inputs
- but not in general.