

Insertion Sort Requires Minimal Changes

What about the insertion sort?

Cut and paste the integer insertion sort!

Then ...

- **change** integer **comparison**
- to **strcmp** (C library's string comparison).

Note that when the sort

- moves values around in the array,
- it copies **char*s**, not strings.

33

Continue with the Unique Count Program

We won't look at `line_split.c` in class.

The code is on the web page for you.

Let's **continue with** the third part:
`unique_count.c`.

34

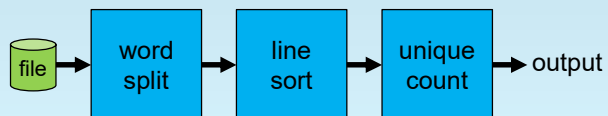
Compare Only Consecutive Lines in Unique Count

What is the input to unique count?

A sequence of words

- with one word per line
- sorted alphabetically.

Compare **only consecutive lines** to count.



35

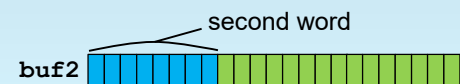
Read the First Two Lines into Buffers

How does unique count work?

Start by **reading first line** into a buffer...



Next, **read the second line** into a buffer...



36