

csv-sort: sliding window

Sometimes, you have a large file or input stream that is mostly sorted, which you would like to fully sort (e.g. in ascending order).

More formally, suppose, you know that for any record R_n in your stream and any records R_m such that $m - n > N$, $R_n < R_m$, where N is constant.

Now, you can sort such a stream, using **csv-sort**, **--sliding-window=<N>**:

```
> ( echo 3; echo 1; echo 2; echo 5; echo 4 ) | csv-sort --sliding-window 3 --fields a
0
1
2
3
> ( echo 4; echo 5; echo 2; echo 1; echo 3 ) | csv-sort --sliding-window 3 --fields a --reverse
3
2
1
0
```

As usual, you can sort by multiple key fields (e.g. **csv-sort --sliding-window=10 --fields=a,b,c**), sort block by block (e.g. **csv-sort --sliding-window=10 --fields=t,block**), etc.