







Changes and Consistency

We will transfer the data collection

explicitly, as a (growing) set of updates:

{(datum, time, diff)}

**({"rank": "fretting", 35, +1})**



({"rank": "speaking", 57, +1})

**({"rank": "fretting", 57, -1})**

({"rank": "speaking", 73, -1})















**Input:**





Output: ■