THOMAS EAPEN · SELECTED WORK

Preserving the sequence of a handover

Order the events and remove consecutive duplicates while keeping return visits visible.

Synthetic example · independently invented data

One-page print edition · A3 landscape

8	5	4	2
invented event records	states after compression	participant changes	P1 → support visits

SYNTHETIC INPUT / ONE INTERACTION

Repeated does not mean redundant

ORDERED EVENT LOG



CONSECUTIVE DUPLICATES REMOVED



Gold connections: P1 → support · repeated returns to P1 are retained

The raw records are first sorted by their unique sequence number. Only adjacent repeats are compressed.

Handovers in the compressed sequence

Step	From	To	Illustrative category
1	P1	P2	P1 → support
2	P2	P1	Return to P1
3	P1	P3	P1 → support
4	P3	P1	Return to P1

THE METHOD / PYTHON

Keep returns in their original order

```
from itertools import groupby

def transition_summary(events, origin, support):
    ordered = sorted(events, key=lambda row: row['sequence'])
    if len({r['sequence'] for r in ordered}) != len(ordered):
        raise ValueError('Each event needs a unique sequence.')
    people = [row['participant'] for row in ordered]
    chain = [person for person, _ in groupby(people)]
    handovers = list(zip(chain, chain[1:]))
    visits = [(a, b) for a, b in handovers
              if a == origin and b in support]
    return {'ordered': people, 'chain': chain,
            'handovers': handovers, 'support_visits': visits}
```

Selected code from the new demonstration that computes these results.

Here P2 and P3 are invented support participants. A handover is an adjacent participant change in this demonstration; the code makes no claim about historical business classifications.

Why consecutive duplicates matter Removing every repeated participant would collapse this sequence to P1 → P2 → P3 and lose both return visits. The ordered path is what makes the two P1-to-support moves visible.

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New illustrative material explaining the approach. Values, configurations and results shown here are not historical workplace records.