

Interactive / complex / 8

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|-------|-----------|---|-------------------------|----------|---|
| IC 1 | query | Interactive / complex / 8 | | | |
| IC 2 | title | Recent replies | | | |
| IC 3 | pattern |  <pre> graph TD P1[person: Person id = \$personId] M[Message] C[comment: Comment id content creationDate] PA[commentAuthor: Person id firstName lastName] M -- hasCreator --> P1 C -- hasCreator --> PA M -- replyOf --> C </pre> | | | |
| IC 4 | desc. | Given a start Person, find the most recent Comments that are replies to Messages of the start Person. Only consider direct (single-hop) replies, not the transitive (multi-hop) ones. Return the reply Comments, and the Person that created each reply Comment. | | | |
| IC 5 | params | 1 | personId | ID | |
| IC 6 | result | 1 | commentAuthor.id | ID | R |
| IC 7 | | 2 | commentAuthor.firstName | String | R |
| IC 8 | | 3 | commentAuthor.lastName | String | R |
| IC 9 | | 4 | comment.creationDate | DateTime | R |
| IC 10 | | 5 | comment.id | ID | R |
| IC 11 | | 6 | comment.content | Text | R |
| IC 12 | sort | 1 | comment.creationDate | ↓ | |
| IC 13 | | 2 | comment.id | ↑ | |
| IC 14 | limit | 20 | | | |
| | CPs | 2.4, 3.3, 5.3 | | | |
| | relevance | This query looks for paths of length two, starting from a given Person, going through its created Messages and finishing at their replies. In this query there is temporal locality between the replies being accessed. Thus the top-k order by this can interact with the selection, i.e. do not consider older Posts than the 20th oldest seen so far. | | | |