Interactive / complex / 9

| IC 1 | query | Interactive / complex / 9 | | | | |
|---------|---|---|-------------------------|----------|---|---------------------|
| IC 2 | title | Recent messages by friends or friends of friends | | | | |
| IC 3 | | person: Person id = \$personId knows*12 id | | | | otherPerson: Person |
| IC 5 | | firstName lastName | | | | |
| IC 6 | | | | | | hasCreator |
| IC 7 | pattern | message: Message creationDate < \$maxDate | | | | |
| IC 8 | | | | | | |
| IC 10 | | | | | | id |
| IC 10 | | content / imageFile creationDate | | | | |
| IC 12 | | Given a start Person with ID \$personId, find the most recent Messages created by | | | | |
| IC 13 | description | | | | | |
| IC 14v1 | | | | | | |
| IC 14v2 | | | | | | |
| | params | 1 \$personId | ID | | | |
| | | 2 \$maxDate | Date | | | |
| | | 1 otherPerson.id ID R | | | | |
| | | | 2 otherPerson.firstName | | R | |
| | result | | | String | R | |
| | | 3 otherPerson.lastName | | String | | |
| | | 4 message.id | | ID | R | |
| | | message.content or message.imageFile (for | | Text | R | |
| | | message.imageFile (for photos) | | Text | K | |
| | | 6 message.creationDate | | DateTime | R | |
| | | o messagerer | | Buterine | | |
| | sort | 1 message.creationDate ↓ | | | | |
| | | 2 message.id | | | | |
| | | | | | | |
| | limit | | | | | |
| | CPs 1.1, 1.2, 2.2, 2.3, 3.2, 3.3, 8.5 | | | | | _ |
| | relevance This query looks for paths of length two or three, starting from a given Person, moving to its friends and friends, and ending at their created Messages. This is one of the most complex queries, as the list of ch indicates. This query is expected to touch variable amounts of data with entities of different character therefore, properly estimating cardinalities and selecting the proper operators will be crucial. | | | | | |