

BI / read / 15

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| query | BI / read / 15 | | | | |
| title | Trusted connection paths through forums created in a given timeframe | | | | |
| pattern | <div>Calculate the weight of the shortest path on knows edges between person1 and person2. Edge weights are determined as $1 / (\text{interaction score} + 1)$, where interaction score is the sum of cases #1 and #2 for the Person endpoints of the edge (tried both ways).</div> <div><div><div>person1: Person</div><div>$id = \\$person1Id$</div></div><div>knows</div><div><div>person2: Person</div><div>$id = \\$person2Id$</div></div></div> <div><div>Case 1: Replies on Posts, weight += $1.0 \times \text{count}(c)$</div><div><div><div>personA: Person</div><div>hasCreator</div><div>c: Comment</div></div><div>knows</div><div><div>personB: Person</div><div>hasCreator</div><div>post: Post</div></div><div>replyOf</div><div><div>forum: Forum</div><div>$creationDate \text{ in } [\\$startDate, \\$endDate]$</div></div></div></div> <div><div>Case 2: Replies on Comments, weight += $0.5 \times \text{count}(c1)$</div><div><div><div>personA: Person</div><div>hasCreator</div><div>c1: Comment</div></div><div>knows</div><div><div>personB: Person</div><div>hasCreator</div><div>c2: Comment</div></div><div>replyOf</div><div><div>Post</div><div>containerOf</div><div><div>forum: Forum</div><div>$creationDate \text{ in } [\\$startDate, \\$endDate]$</div></div></div></div></div> <div>Example for finding a path between person1 and person2</div> <div></div> | | | | |