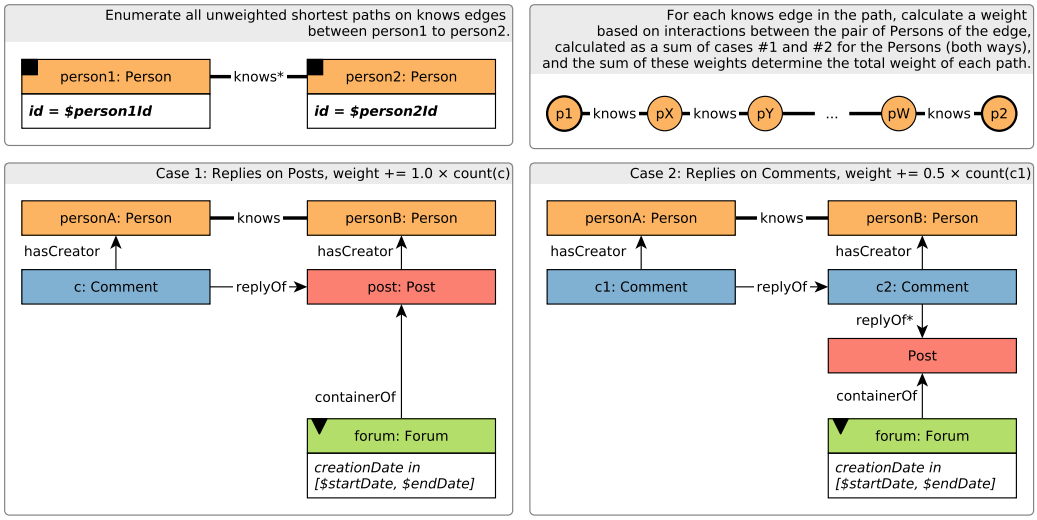
BI / read / 15

query	BI / read / 15
title	Trusted connection paths through forums created in a given timeframe
pattern	
desc.	Given two Persons, find all (unweighted) shortest paths between these two Persons, in the subgraph induced by the knows relationship. Then, for each path calculate a weight. The nodes in the path are Persons, and the weight of a path is the sum of weights between every pair of consecutive Person nodes in the path. The weight for a pair of Persons is calculated based on their interactions: • Every direct reply (by one of the Persons) to a Post (by the other Person) contributes 1.0. • Every direct reply (by one of the Persons) to a Comment (by the other Person) contributes 0.5. Only consider Messages that were created in a Forum that was created within the timeframe (interval) `[startDate, endDate)`. Note that for Comments, the containing Forum is that of the Post that the comment (transitively) replies to. Also note that interactions are counted both ways. Return all paths with the Person IDs ordered by their weights descending.

params

1	`person1Id`	ID	`(A)` `person1Id` – `person2Id` pair with a distance of exactly 4 hops `(B)` `person1Id` – `person2Id` pair with a distance of exactly 2 hops
2	`person2Id`	ID	
3	`startDate`	Date	`(A)` Small interval (approx. one week) `(B)` Big interval (approx. one month)
4	`endDate`	Date	

result

1	`person.id`	[ID]	`C`	Ordered sequence of the Person IDs in the path
2	`weight`	32-bit Float	`C`	

sort

1	`weight`	↓	The order of paths with the same weight is unspecified
2	`personIds`	↑	The IDs in the paths are used for lexicographical sorting

limit	n/a
CPs	1.2, 2.1, 2.2, 2.4, 3.3, 5.1, 5.3, 7.2, 7.3, 7.5, 7.7, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6