

Interactive / complex / 14v1

IC 1
IC 2
IC 3
IC 4
IC 5
IC 6
IC 7
IC 8
IC 9
IC 10
IC 11
IC 12
IC 13
IC 14v1
IC 14v2

query	Interactive / complex / 14v1				
title	Trusted connection paths (v1)				
pattern	<div>Enumerate all unweighted shortest paths on knows edges from person1 to person2. For each edge on the path, calculate a weight based on interactions between the pair of Persons of the edge as a sum of cases #1 and #2 for the Persons (both ways), and the sum of these weights determine the total weight of each path.</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 × count(c)</div><div><div>personA: Person</div><div>hasCreator</div><div>c: Comment</div><div>knows</div><div>personB: Person</div><div>hasCreator</div><div>post: Post</div><div>replyOf</div></div></div> <div><div>Case 2: Replies on Comments, weight += 0.5 × count(c1)</div><div><div>personA: Person</div><div>hasCreator</div><div>c1: Comment</div><div>knows</div><div>personB: Person</div><div>hasCreator</div><div>c2: Comment</div><div>replyOf</div></div></div> <div><div>Example for finding a path between person1 and person2</div><div><div>p1</div><div>knows</div><div>pX</div><div>knows</div><div>pY</div><div>knows</div><div>...</div><div>knows</div><div>pW</div><div>knows</div><div>p2</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div><div>replyOf</div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