

Interactive / complex / 6

IC 1	query	Interactive / complex / 6			
IC 2	title	Tag co-occurrence			
IC 3	pattern	<pre> classDiagram class Person { id = \$personId } class otherPerson { knows*1..2 Person } class Post { hasCreator otherPerson count } class tag { name = \$tagName } class otherTag { name != \$tagName name } Person "1" -- "*" otherPerson otherPerson --> Post Post --> tag Post --> otherTag </pre>			
IC 4					
IC 5					
IC 6					
IC 7					
IC 8					
IC 9					
IC 10					
IC 11					
IC 12					
IC 13	description	Given a start Person with ID \$personId and a Tag with name \$tagName, find the other Tags that occur together with this Tag on Posts that were created by start Person's friends and friends of friends (excluding start Person). Return top 10 Tags, and the count of Posts that were created by these Persons, which contain both this Tag and the given Tag.			
IC 14v1					
IC 14v2	params	1	\$personId	ID	
		2	\$tagName	Long String	
	result	1	otherTag.name	Long String	R
		2	postCount	32-bit Integer	A Number of Posts that were created by friends and friends of friends, which have the Tag otherTag
	sort	1	postCount	↓	
		2	otherTag.name	↑	
limit	10				
CPs	5.1, 8.2				
relevance	This query looks for paths of lengths three or four, starting from a given Person, moving to friends or friends of friends, then to Posts and finally ending at a given Tag.				