

## Interactive / complex / 6

query	Interactive / complex / 6				
title	Tag co-occurrence				
pattern	<pre>graph LR     Person[id = \$id] -- knows*1..2 --&gt; person[person: Person id firstName lastName]     person -- hasCreator --&gt; Post[Post count]     Tag1[Tag name = \$tagName] -- hasTag --&gt; Post     Tag2[otherTag: Tag name ≠ \$tagName] -- hasTag --&gt; Post</pre>				
desc.	Given a start Person and some Tag, 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.				
params	1	Person.id	ID	personId	
	2	Tag.name	String	tagName	
result	1	Tag.name	String	R	tagName
	2	postCount	32-bit Integer	A	postCount – Number of Posts that were created by friends and friends of friends, which contain this Tag
sort	1	postCount	↓		
	2	Tag.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.				