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query	BI / read / 16			
title	Experts in social circle			
pattern				
desc.	<p>Given a Person, find all other Persons that live in a given Country and are connected to given Person by a transitive trail with length in range $[\text{minPathDistance}, \text{maxPathDistance}]$ through the knows relation.</p> <p>In the trail, an edge can be only traversed once while nodes can be traversed multiple times (as opposed to a path which allows repetitions of both nodes and edges).</p> <p>For each of these Persons, retrieve all of their Messages that contain at least one Tag belonging to a given TagClass (direct relation not transitive). For each Message, retrieve all of its Tags.</p> <p>Group the results by Persons and Tags, then count the Messages by a certain Person having a certain Tag.</p> <p>(Note: it is not yet decided whether a Person connected to the start Person on a trail with a length smaller than minPathDistance, but also on a trail with the length in $[\text{minPathDistance}, \text{maxPathDistance}]$ should be included. The current reference implementations allow such Persons, but this might be subject to change in the future.)</p>			
params	1	personId	64-bit Integer	
	2	country	String	
	3	tagClass	String	
	4	minPathDistance	32-bit Integer	
	5	maxPathDistance	32-bit Integer	
result	1	person.id	64-bit Integer	R
	2	tag.name	String	R
	3	messageCount	32-bit Integer	A
	Number of Messages created by that Person containing that Tag			
sort	1	messageCount	↓	
	2	tag.name	↑	
	3	person.id	↑	
limit	100			
CPs	1.2, 1.3, 2.3, 2.4, 3.3, 5.3, 7.1, 7.2, 7.3, 8.1, 8.6			