

BI / read / 15

BI 1
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query	BI / read / 15			
title	Social normals			
pattern	<pre>graph TD Country[Country name = \$country] City1[City] City2[City] City3[City] person1[person1: Person] friend1[friend1: Person] person2[person2: Person] friend2[friend2: Person] Country -- isPartOf --> City1 Country -- isPartOf --> City2 Country -- isPartOf --> City3 City1 -- isLocatedIn --> person1 City2 -- isLocatedIn --> friend1 City3 -- isLocatedIn --> person2 City3 -- isLocatedIn --> friend2 person1 -- knows --> friend1 person2 -- knows --> friend2 subgraph SocialNormalCalc [] direction TB person1 friend1 person2 friend2 count1[count] count2[count] socialNormal[socialNormal = floor(avg(count))] end person1 -- knows --> count1 friend1 -- knows --> count1 person2 -- knows --> count2 friend2 -- knows --> count2 count1 --> socialNormal count2 --> socialNormal socialNormal --> count3[count = socialNormal]</pre>			
desc.	<p>Given a Country <code>country</code>, determine the “social normal”, i.e. the floor of average number of friends that Persons of country have in <code>country</code>.</p> <p>Then, find all Persons in <code>country</code>, whose number of friends in <code>country</code> equals the social normal value.</p>			
params	1	country	String	
result	1	person.id	64-bit Integer	R
	2	count	32-bit Integer	A
sort	1	person.id	↑	
limit	100			
CPs	1.2, 2.3, 3.2, 3.3, 5.3, 6.1, 8.2, 8.4			