

BI / read / 11

query	BI / read / 11								
title	Friend triangles								
pattern	<pre>graph TD Country[Country] City1[City] City2[City] City3[City] PersonA[a: Person] PersonB[b: Person] PersonC[c: Person] Country -- isPartOf --> City1 Country -- isPartOf --> City2 Country -- isPartOf --> City3 City1 -- isLocatedIn --> PersonA City2 -- isLocatedIn --> PersonB City3 -- isLocatedIn --> PersonC PersonA -- knows --> PersonB PersonB -- knows --> PersonC PersonC -- knows --> PersonA PersonA -- "\$startDate < knows.creationDate" --> PersonB PersonB -- "\$startDate < knows.creationDate" --> PersonC PersonC -- "\$startDate < knows.creationDate" --> PersonA</pre>								
desc.	<p>For a given country, count all the distinct triples of Persons such that:</p> <ul style="list-style-type: none">• a is friend of b,• b is friend of c,• c is friend of a, <p>and these friendships were created after a given startDate.</p> <p>Distinct means that given a triple t_1 in the result set R of all qualified triples, there is no triple t_2 in R such that t_1 and t_2 have the same set of elements.</p>								
params	<table><tr><td>1</td><td>country</td><td>Long String</td><td></td></tr><tr><td>2</td><td>startDate</td><td>Date</td><td></td></tr></table>	1	country	Long String		2	startDate	Date	
1	country	Long String							
2	startDate	Date							
result	<table><tr><td>1</td><td>count</td><td>32-bit Integer</td><td>A</td><td></td></tr></table>	1	count	32-bit Integer	A				
1	count	32-bit Integer	A						
limit	n/a								
CPs	1.1, 2.3, 2.5								