

BI / read / 11

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|---------|---|----------------|---------|----------------|---|---|-----------|------|--|--|--|--|
| 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 linkStyle 6 stroke-dasharray: 5 5 linkStyle 7 stroke-dasharray: 5 5 linkStyle 8 stroke-dasharray: 5 5</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 | | | | | | | | | | | |