With clause not working as expected

2 posts by 2 authors 8+1

Michael Dougherty   Apr 17

Im very confused with what's going wrong....here's my database

CREATE (queen:Gliese { name : 'Queen'}),(eva:Human { name : 'Eva'}),(lisha:Human { name : 'Lisha'}),
(queen)<-[:ENEMY_OF]-(eva),(queen)<-[:FRIEND_OF]-(eva),(queen)<-[:FRIEND_OF]-(lisha),(queen)<-
[:ENEMY_OF]-(lisha),(lisha)-[:KILLED]->(eva);

I wanted to return any friend of the queen who killed an enemy of the queen.

So I wrote the following query

```
MATCH (queen:Gliese{name:'Queen'})
WITH queen
MATCH (a)-[:FRIEND_OF]->(queen),(b)-[:ENEMY_OF]->(queen),(a)-[:KILLED]->(b)
RETURN a.name, count(*) as count;
```

Instead of getting lisha, 1, as expected, I get (No rows).

Strangely if I do

```
MATCH (a)-[:FRIEND_OF]->(queen),(b)-[:ENEMY_OF]->(queen),(a)-[:KILLED]->(b)
RETURN a.name, count(*) as count;
```

alone, I get the expected result. In addition if I do

```
MATCH (queen:Gliese{name:'Queen'})
WITH queen
MATCH (a)-[:FRIEND_OF]->(n),(b)-[:ENEMY_OF]->(n),(a)-[:KILLED]->(b)
RETURN a.name, count(*) as count;
```

I get Lisha, 1 and Eva, 1! I don't really understand these differences!

In older versions my code seems to work, unless there's some other problem I don't get.

What's going on here?

Michael Hunger   Apr 17

Hi Michael,

works for me with Neo4j 2.2

http://console.neo4j.org/?id=xy4fkl

Which version are you using?

Cheers, Michael

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