



leocrawford commented Jul 29, 2015

Thanks, any thoughts from the cypher team?



Mats-SX closed this Jul 30, 2015



Mats-SX reopened this Jul 30, 2015



Mats-SX commented Jul 30, 2015

Collaborator

Hello @leocrawford, and thank you for reporting this issue.

We have looked into it, and found that what you have seen is actually a bugfix for 2.2, which has not (and most likely will not) been back-ported to 2.1.

What has happened here is a bit subtle, but nevertheless important. There is a semantic difference between the two queries you have posted, and it comes from relationship traversal uniqueness. Each MATCH clause may only traverse a given relationship once.

If we rewrite your first query

into this (no comma)

we can see that what you're actually matching on is one full pattern. This is not the same as to match on one pattern and then match again on another pattern, as your second query implies (using two MATCH clauses).

So the overall conclusion is that you're experiencing a bug in Cypher 2.1. We were also a bit confused with your usage of the label <code>:ms</code> on the nodes matched into identifier <code>_mr</code>. Is that intended? It looks very much like a mistake, as it is easily confused with the identifier with the same name in the query. Also perhaps you did not mean to have the <code>(_mr:ms)-[_sa:SATISFIES*0..]-(ms)</code> pattern undirected?



leocrawford commented Jul 30, 2015

Thanks so much for taking a look at this, and your clear explanation. I hadn't appreciated that there were semantic differences between single and multiple match clauses - so my mistake. Sorry.

In terms of your feedback on the query - the query is as intended, but is hard to read because it is an extract of a machine generated query. I'd tried to tidy it up a bit to make it human readable, but hadn't gone far enough.



leocrawford closed this Jul 30, 2015

Sign up for free

to join this conversation on $\mbox{\rm GitHub}$. Already have an account? Sign in to comment

