

Mulgara - Bug #150

OPTIONAL not returning expected results

10/14/2008 11:57 PM - Paula Gearon

Status:	Closed	Start date:	
Priority:	High	Due date:	
Assignee:	Paula Gearon	% Done:	0%
Category:	Mulgara	Estimated time:	0.00 hour
Target version:	SPARQL Query Engine		
Resolution:	fixed		

Description

Unexpected results on an OPTIONAL clause. The toString on a query that demonstrates the problem is:

```
SELECT $o1 $o2
FROM http://mulgara.org/local/server1#
WHERE ( optional ( optional ( and
[$s urn:test:pred1 $o1 $-anon-ctx1]
[$-anon-ctx1 rdf:type http://mulgara.org/mulgara#sailModel
http://mulgara.org/mulgara#sailModel]
) ( and
[$s urn:test:pred2 $o2 $-anon-ctx4]
[$-anon-ctx4 rdf:type http://mulgara.org/mulgara#sailModel
http://mulgara.org/mulgara#sailModel]
)
) ( and
[$s urn:test:pred2 $o2 $-anon-ctx7]
[$-anon-ctx7 rdf:type http://mulgara.org/mulgara#sailModel
http://mulgara.org/mulgara#sailModel]
[$s urn:test:pred3 $o1 $-anon-ctx10]
[$-anon-ctx10 rdf:type http://mulgara.org/mulgara#sailModel
http://mulgara.org/mulgara#sailModel]
)
) GIVEN 0 columns: (1 rows
)
```

The data is generated with:

```
con.add(subj1, pred1, obj1);
con.add(subj1, pred2, obj2);
con.add(subj1, pred3, obj3);
```

The results we get are:

```
var: $o2
tuples:
{$o2 $-anon-ctx10 $o1 $s $-anon-ctx7 (1 rows)
[000037 000032 000039 000033 000032 ]
}
```

Associated revisions

Revision 1323 - 10/16/2008 05:23 AM - Paula Gearon

Found and fixed a pair of bugs when all variables are shared between two sides of an optional join. Also updated optionalJoin to handle left and right sides not sharing variables (a cartesian product), and now handling projection to extra variables when the optional part of a join is empty.

Fixes #152

Fixes #150

History

#1 - 10/16/2008 05:23 AM - Paula Gearon

- *Status changed from New to Closed*
- *Resolution set to fixed*

(In [r1323](#)) Found and fixed a pair of bugs when all variables are shared between two sides of an optional join. Also updated optionalJoin to handle left and right sides not sharing variables (a cartesian product), and now handling projection to extra variables when the optional part of a join is empty.

Fixes [#152](#)

Fixes [#150](#)