

Mulgara - Bug #120

Repeated variables are not handled correctly

05/17/2008 11:14 PM - Paula Gearon

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

Description

Basic graph patterns with repeated variables are not available in graphs defined with a variable.

Use the following mapping patterns (actual positions are variable):

$(\$x \$x * *) \rightarrow (\$x \$x1 * *) \text{ AND } (\$x1 \$x * *)$

$(\$x \$x \$x *) \rightarrow (\$x \$x1 \$x2 *) \text{ AND } (\$x2 \$x \$x1 *) \text{ AND } (\$x1 \$x2 \$x *)$

$(\$x \$x \$x \$x) \rightarrow (\$x \$x1 \$x2 \$x3) \text{ AND } (\$x3 \$x \$x1 \$x2) \text{ AND } (\$x2 \$x3 \$x \$x1)$

History

#1 - 05/31/2008 01:54 AM - Paula Gearon

- Status changed from New to Closed

- Resolution set to fixed

Turned out that this approach does NOT work, though it does come close. The reason why it doesn't work is apparent in the following data set:

```
@prefix : <http://example.org/data/> .
:y :y :x .
:x :y :y .
:y :x :y .
```

Instead, the transformation is now performed by changing the constraint to just one other form, but then wrapping it in a filter constraint set for SameTerm on the various forms of the repeated variable.