

Saxon - Bug #2686

QT3 test case filter-limits-003 fails with bytecode feature

2016-03-24 16:49 - O'Neil Delpratt

Status:	Closed	Start date:	2016-03-24
Priority:	Normal	Due date:	
Assignee:	Michael Kay	% Done:	100%
Category:	Byte code generation	Estimated time:	0:00 hour
Sprint/Milestone:	9.7.0.5	Spent time:	0:00 hour
Legacy ID:		Fix Committed on	9.7
Applies to branch:	9.7	Branch:	
		Fixed in Maintenance	9.7.0.5
		Release:	

Description

The following test case filter-limits-003 fails when the bytecode feature switched on.

the expected results is achieved in the interpreted mode.

Test case:

```
<test-case name="filter-limits-002">
  <description>Test numeric predicates at integer limits</description>
  <created by="Christian Gruen" on="2016-02-04"/>
  <dependency type="spec" value="XQ10+"/>
  <test>'a'[4294967296]</test>
  <result>
    <assert-empty/>
  </result>
</test-case>
```

Test suite driver setup:

```
. catalog.xml -o:results/saxon -lang:XQ31 -bytecode:on -s:prod-Predicate -t:filter-limits-003
```

Actual result:

```
Assertion assert-empty () failed
*** TEST-FAILURE. Result:
a<=====
```

History

#1 - 2016-04-06 00:31 - Michael Kay

- Status changed from New to Resolved
- Assignee set to Michael Kay
- Fix Committed on Branch 9.7 added

I have fixed this particular case by checking the literal value of the filter expression at compile time (before bytecode generation). This won't fix the case where a large subscript value is computed dynamically, however, this is sufficient of an edge case that I don't feel compelled to investigate it until some user reports that they are affected by the problem.

#2 - 2016-05-12 16:54 - O'Neil Delpratt

- *Status changed from Resolved to Closed*
- *% Done changed from 0 to 100*
- *Fixed in Maintenance Release 9.7.0.5 added*

Bug fix applied in the Saxon 9.7.0.5 maintenance release.

#3 - 2016-05-12 17:21 - O'Neil Delpratt

- *Sprint/Milestone set to 9.7.0.5*