

Saxon - Bug #5067

Stability of collection ordering

2021-08-23 13:28 - Michael Kay

Status:	New	Start date:	2021-08-23
Priority:	Low	Due date:	
Assignee:	Michael Kay	% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:		Spent time:	0:00 hour
Legacy ID:		Fixed in Maintenance Release:	
Applies to branch:		Platforms:	
Fix Committed on Branch:			

Description

The spec says that by default collections are stable, so processing the same collection twice should give the same result.

It also says that a collection is a sequence (not a set).

This is difficult to reconcile with Saxon's use of multi-threading to process the items in a collection, which makes the order of processing unpredictable. Perhaps we should be doing multi-threading within the same constraints as `xsl:for-each` with a `threads` attribute, where the results are delivered in the original order.

Problem arose from consideration of test case `cbcl-collection-002` where in Saxon-CS we are delivering the (integer) contents of the collection in an arbitrary order.

History

#1 - 2021-08-23 13:31 - Michael Kay

- Description updated