Gromacs - Bug #968

Memory error with complex boolean selections

07/09/2012 11:22 AM - Teemu Murtola

**Status:** Closed
**Priority:** Normal
**Assignee:** Teemu Murtola
**Category:** selections
**Target version:** 4.5.6
**Affected version:** 4.5-4.5.5

**Description**
Complex boolean selections that contain static subexpressions may result in reallocation of memory to which a pointer is retained elsewhere. This leads to crashes or other unpredictable behavior. Example of a selection that causes problems is atomnr 1 to 4 or (atomnr 4 to 6 and (atomnr 5 to 7 or x < 2)).

The problem is fixed in master by [dd3a102](http://example.com), which should be backported to release-4-5-patches.

**Associated revisions**

Revision b7b531f3 - 07/09/2012 02:10 PM - Teemu Murtola

Fix memory error with complex boolean selections.

Backported from dd3a102.

Conflicts: src/gmxlib/selection/compiler.c

Fixes #968.

Change-Id: lf92b5b1eb8cf6b3ac510ba43f64fc82b63ab82a

Revision b7b531f3 - 07/09/2012 02:10 PM - Teemu Murtola

Fix memory error with complex boolean selections.

Backported from dd3a102.

Conflicts: src/gmxlib/selection/compiler.c

Fixes #968.

Change-Id: lf92b5b1eb8cf6b3ac510ba43f64fc82b63ab82a

**History**
#1 - 07/10/2012 07:13 AM - Teemu Murtola
- Status changed from New to Closed
- Affected version - extra info set to 4.5-4.5.5

#2 - 07/17/2013 07:14 AM - Teemu Murtola
- Category changed from analysis tools to selections
- Affected version set to 4.5.5