

## User Interface - Bug #6117

### fix DOWN calculation when multiple FORM, DISPLAY, DEFINE FRAME, iterating block, are involved

03/01/2022 11:26 AM - Constantin Asofiei

<b>Status:</b>	New	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>case_num:</b>	
<b>billable:</b>	No	<b>version:</b>	
<b>vendor_id:</b>	GCD		
<b>Description</b>			

## History

### #1 - 03/01/2022 11:34 AM - Constantin Asofiei

In testcases project, uast/combined\_down contains some tests to fix DOWN problems found in #6109.

fdn3.p needs to be used as a starting point to test what happens if there are multiple FORM, DISPLAY, iterating block, with or without [n] DOWN, with n missing or in interval [0, 1, 4, 5] (see fdn.p and fdn2.p how to approach this).

The problem I suspect is that in some cases the DOWN needs to be allowed to 'upgrade', for this warning in rules/annotations/frame\_scoping.rules's check\_frame\_down function shows that there is a problem when converting fdn3.p:

```
<rule>!from.get(fd).equals(#(long) (-1)) and
      !to.get(fd).equals(#(long) (-1)) and
      !from.get(fd).equals(to.get(fd))
<!-- TODO: FWD fails to change DOWN to the 'from's DOWN value, if explicitly set -->
<action>
  println("## INFO: %s: attempt to change %s %d to %d for %s",
    file, fd,
    to.get(fd),
    from.get(fd),
    to.get(frameName))
</action>
</rule>
```