

## Analysis - Feature #3224

Feature # 3019 (Rejected): [NoVal rework] collection issue

### constraint for non-NoVal ports

12/08/2017 08:19 AM - Anonymous

<b>Status:</b>	Closed	<b>Start date:</b>	12/08/2017
<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>	Team Programming July 2nd 2019		

#### Description

If a port is specified to always contain a value (i.e., NoVal is not allowed) then an analysis needs to be implemented to check that the port is always assigned a value.

At present this analysis can be broken in following sub-analyses:

1. Ports connecting a channel should both have the same specification (either for both NoVal is allowed or not)
2. For atomic components we can either use formal verification or it can also be checked statically (at least IMO). If output port p is specified as "NoValAllowed = false", then the check would be:
  - In case behaviour is code spec just check that every branch is assigning a value to p
  - in case of state automaton check that p is assigned in every transition
  - Of course model checker can be used to check this, but IMO that is a bit of an overkill

#### History

##### #1 - 01/04/2018 01:33 PM - Vivek Nigam

- Assignee changed from Vivek Nigam to Anonymous

Open AF3 file:

specification/test-data/Test-Constraint-NoValAllowed

(Ignore the x in the Component Architecture.)

There you should be able to activate the constrain

Component COnstraints Group -> Provided all inputs....

Then 3 components should be marked with x.

##### #2 - 04/18/2018 02:44 PM - Anonymous

- Target version changed from AF3 2.13 RC1 (Feature Freeze) to AF3 2.14 RC1 (Feature Freeze)

##### #3 - 10/24/2018 03:59 PM - Anonymous

- Assignee changed from Anonymous to Anonymous

##### #4 - 05/13/2019 02:08 PM - Johannes Eder

- Target version changed from AF3 2.14 RC1 (Feature Freeze) to Backlog

##### #5 - 07/02/2019 04:52 PM - Anonymous

- Status changed from New to Resolved

- Assignee changed from Anonymous to Johannes Eder

Implemented in [#3644](#).

Please close

##### #6 - 07/02/2019 04:55 PM - Anonymous

- Target version changed from Backlog to Team Programming July 2nd 2019

##### #7 - 07/02/2019 04:56 PM - Johannes Eder

- Status changed from Resolved to Closed

- Assignee deleted (Johannes Eder)