

CoCoA-5 - Support #286

How to test (automatically) a user defined CoCoA function

11 Dec 2012 18:52 - Anna Maria Bigatti

Status:	Closed	Start date:	11 Dec 2012
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Manual/documentation	Estimated time:	0.00 hour
Target version:	CoCoA-5.1.1 Seoul14	Spent time:	0.50 hour
<b>Description</b> When developing and changing a cocoa function it is useful to repeatedly run some tests. Explain how to do this easily.			
<b>Related issues:</b> Related to CoCoA-5 - Support #251: How to add a test for CoCoA-5 (CoCoAInterp... <div>Closed02 Oct 2012</div>			

History

#1 - 12 Dec 2012 12:24 - Anna Maria Bigatti

- Category set to Manual/documentation
- Assignee set to Anna Maria Bigatti
- Target version set to CoCoA-5.0.9
- % Done changed from 0 to 50

I describe here an easy way to check a list of tests (from CoCoA-5/tests/anna.cocoa5):

```
Define TEST_ASSERT (A,B)
  If A<>B Then
    error("TEST: " + Sprint(A) + " <> " + Sprint(B));
  EndIf;
EndDefine;
```

And here are some examples of testing: (FunctionCall, ExpectedResult)

```
TEST_ASSERT(sum([1,2,3]), 6);
TEST_ASSERT(sum([],6), 6);
TEST_ASSERT(product([1,2,3]), 6);
TEST_ASSERT(product([],6), 6);
.....
```

**#2 - 12 Dec 2012 12:25 - Anna Maria Bigatti**

- Subject changed from testing cocoa functions to Testing (user defined) CoCoA functions

**#3 - 21 Mar 2014 11:45 - Anna Maria Bigatti**

- Target version changed from CoCoA-5.0.9 to CoCoA-5.1.0 Easter14

**#4 - 14 Apr 2014 09:20 - Anna Maria Bigatti**

- Status changed from New to In Progress

- Target version changed from CoCoA-5.1.0 Easter14 to CoCoA-5.1.1 Seoul14

**#5 - 04 Sep 2014 12:22 - John Abbott**

- Status changed from In Progress to Closed

**#6 - 04 Sep 2014 12:22 - John Abbott**

- % Done changed from 50 to 100

**#7 - 04 Sep 2014 13:46 - Anna Maria Bigatti**

- Subject changed from Testing (user defined) CoCoA functions to How to test (automatically) a user defined CoCoA function