Bug 000005 –Lcs output not correct

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Status: solved Reported: 2013-04-13 08:50 AM by Thomas Chan

Product: Code-Similarity Assigned to: Bill Yeung

Component:

Version: unspecified

Platform: PC Microsoft Windows 7

Importance: High

Thomas Chan 2013-04-13 08:50 HKT

After solved the bug 000004, I noticed that the result of testCompare\_5 in FuncByFuncCompararTest are no correctly. As the input of testCompare\_5 are not identical but still it return 100% similarity.

The error message as follow:

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org.junit.ComparisonFailure: expected:<[0.5]> but was:<[1.0]>

at org.junit.Assert.assertEquals(Assert.java:123)

at org.junit.Assert.assertEquals(Assert.java:145)

at edu.hkcity.cs.unittest.FuncByFuncCompararTest.testCompare\_5(FuncByFuncCompararTest.java:60)

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[Solved] Bill Yeung 2013-04-13 14:25 HKT

The bug occur when Utility.lcs() is called and the return value is abnormal. After the investigation of lcs function, there are no problems on this function. The bug is actually caused by calling lcs function with wrong parameter. The parameter of oriFunToken and tarFunToken is reversed and hence the function lcs treat oriFunToken as target’s token and so. Bug is fixed by change the parameter position to normal. Problem fixed

<< Before

double sim = Utility.lcs(tarFunToken, oriFunToken);

<<After

double sim = Utility.lcs(oriFunToken , tarFunToken);

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