Bug Report

# Steps to regenerate bug

1. Replace the CNode.java with the given class in com.gannon.bytecode.controlflowgraph package.
2. Use the Sudoku\_2 application in demo folder and generate the resultant graph for main method.

# Possible Reason for bug

Once we modify the CNode.java *hashCode()* and *equals()* function to support class name it throws exception in class CGraph.java at method

*addEdges(final CEdge edge)* function.

## Guess

Could be due to the getRoot() or getSink() of the CGraph class. When it tries to return root node or sink node of the already merged graph (not for the sink node of single method CGraph).

Could also be some issue with current frame in BuildCFG.java class at getResultGraph() while loop. (More chances)