Greg Floyd
floydgb@gmail.com

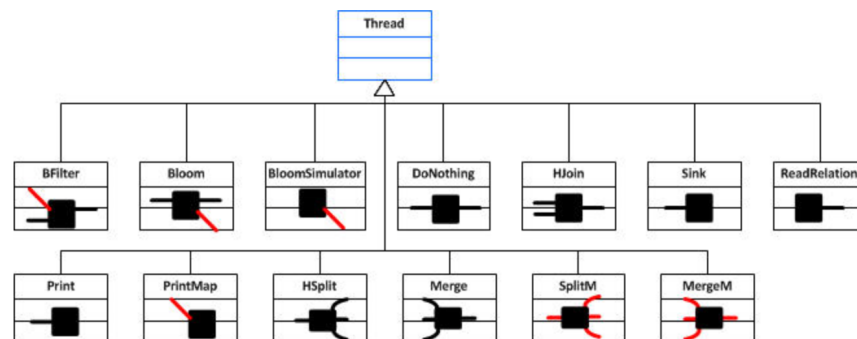Travis Brannen
travis.brannen@gmail.com

Project 8 - Gamma Join

> ./run.script will run the test suite and display the output of three table joins using the optimized parallel HJoin algorithm.

Folders:
• build - contains compiled code from NetBeans.
• Correct - contains correct output used in regression tests.
• Output - contains output generated by tests which is compared to the files in Correct.
• TestData - contains data supplied by Dr. Batory to test with.
• dist - contains executable jar files.
• nbproject - contains netbeans project properties etc.
• src - contains source code
• test - contains regression tests.
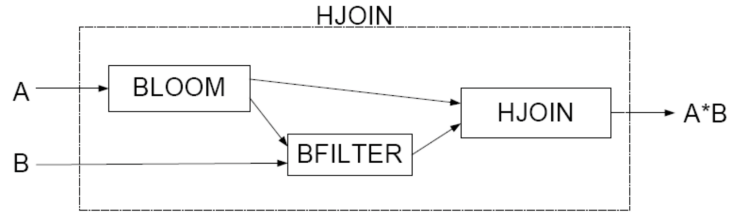
Test Coverage:

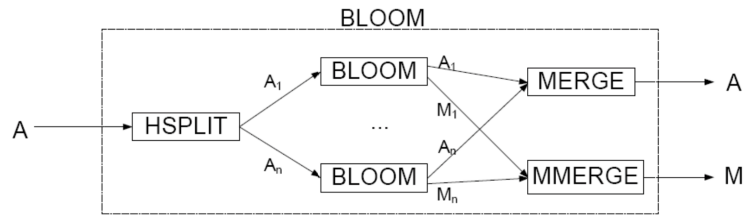We implemented the following **unit tests** for each class pictured above:
• testBFilter()
• testBloom()
• testHJoin()
• testReadRelation()
• testHSplit()
• testMerge()
• testMSplit()
• testMMerge()
• Note: We tested the BloomSimulator, DoNothing, Print and PrintMap classes implicitly in the unit tests above.

We also implemented the following **integration tests** for each refinement pictured below:
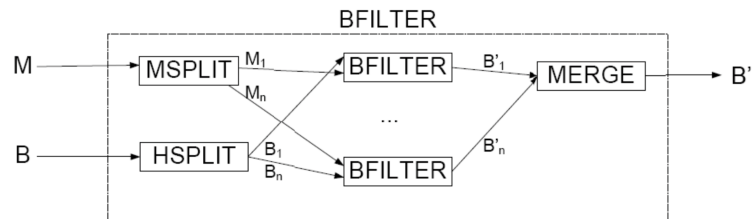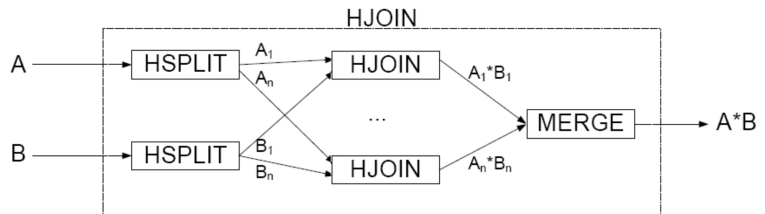
testHJoinFirstRefinement()
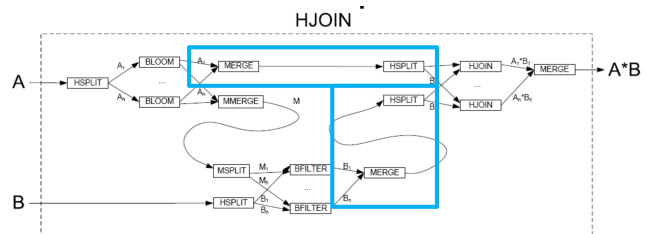

testParallelBloom()

testParallelBFilter()

testParallelHJoin()

testUnOptimizedParallelHJoin()

testOptimizedParallelHJoin()