

Name: *Samuel Sovi*

Assignment: 7

Complete & Correct:	45 / 48
Tests:	0 / 0
Format and Comments:	6 / 6
Writeup:	6 / 6

Total Score:	57 / 60
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Comments:

1. (-3) incorrect computation (int division) for insert comparison to load factor threshold

Unit test output:

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==371803== Memcheck, a memory error detector
==371803== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.
==371803== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info
==371803== Command: ./hw7_test
==371803==
[=====] Running 21 tests from 1 test suite.
[-----] Global test environment set-up.
[-----] 21 tests from BasicHashMapTests
[ RUN      ] BasicHashMapTests.EmptyCheck
[      OK  ] BasicHashMapTests.EmptyCheck (13 ms)
[ RUN      ] BasicHashMapTests.InsertCheck
[      OK  ] BasicHashMapTests.InsertCheck (3 ms)
[ RUN      ] BasicHashMapTests.RValueAccessCheck
[      OK  ] BasicHashMapTests.RValueAccessCheck (4 ms)
[ RUN      ] BasicHashMapTests.LValueAccessCheck
[      OK  ] BasicHashMapTests.LValueAccessCheck (4 ms)
[ RUN      ] BasicHashMapTests.SimpleContainsCheck
[      OK  ] BasicHashMapTests.SimpleContainsCheck (4 ms)
[ RUN      ] BasicHashMapTests.MoreInvolvedContainsCheck
[      OK  ] BasicHashMapTests.MoreInvolvedContainsCheck (2 ms)
[ RUN      ] BasicHashMapTests.EraseCheck
[      OK  ] BasicHashMapTests.EraseCheck (6 ms)
[ RUN      ] BasicHashMapTests.KeyRangeCheck
[      OK  ] BasicHashMapTests.KeyRangeCheck (8 ms)
[ RUN      ] BasicHashMapTests.SortedKeyCheck
[      OK  ] BasicHashMapTests.SortedKeyCheck (10 ms)
[ RUN      ] BasicHashMapTests.InvalidKeyCheck
[      OK  ] BasicHashMapTests.InvalidKeyCheck (32 ms)
[ RUN      ] BasicHashMapTests.NextKeyCheck
[      OK  ] BasicHashMapTests.NextKeyCheck (7 ms)
[ RUN      ] BasicHashMapTests.PrevKeyCheck
[      OK  ] BasicHashMapTests.PrevKeyCheck (7 ms)
[ RUN      ] BasicHashMapTests.ResizeRehashCheck
[      OK  ] BasicHashMapTests.ResizeRehashCheck (6 ms)
[ RUN      ] BasicHashMapTests.DestructorCheck
[      OK  ] BasicHashMapTests.DestructorCheck (3 ms)
[ RUN      ] BasicHashMapTests.CopyConstructorCheck
[      OK  ] BasicHashMapTests.CopyConstructorCheck (7 ms)
[ RUN      ] BasicHashMapTests.CopyAssignmentCheck

```


8.83user 0.00system 0:08.84elapsed 99%CPU (0avgtext+0avgdata 7612maxresident)k
0inputs+24outputs (0major+2667minor)pagefaults 0swaps